

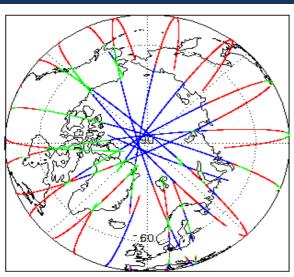
1. Overview

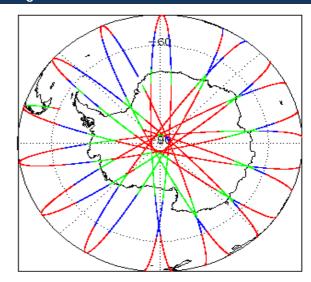
Report Production:	25-Oct-2021			
Processor Used:	CryoSat Ocean Processor			
Data Used:	Near Real Time Ocean Products (NOP) L1B & L2 Science Data			

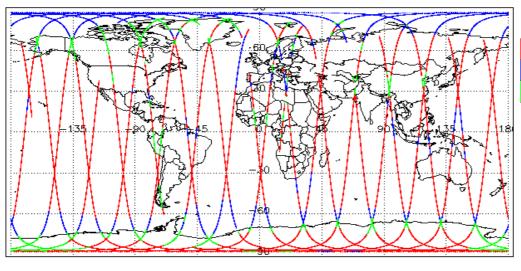
Check	L1 & L2
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	Nominal
Auxiliary Data File Usage Check	Nominal
Auxiliary Correction Error Check	See Section 5.4
Measurement Confidence Data Check	See Section 4.5, 4.6
Measurement Quality Flag Check	See Section 5.6
Ocean Retracking Quality Check	See Section 5.7
QCC Error/ Warning Check	See Section 7.1 and 7.2

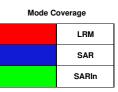
Mission / Instrument News		
21-Oct-2021	None	
22-Oct-2021	None	
23-Oct-2021	Nothing planned	

2. Global Coverage









3. Instrument Configuration

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

SIRAL instrument(s) in use:	SIRAL - A
Star Tracker(s) in use:	Star Tracker 1

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).

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 I1b_proc_flag_hr flag is currently set all L1B IOPR and IOPN products because the I1b_processing_quality_hr field is not correctly configured in the OSAR and OSARIn chains. A modification is required in the next release.

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:

0

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:

0

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.

Number of products with errors:

0

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.

Number of products with errors:

19

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20211022T040629_20211022T042047_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20211022T052629_20211022T054323_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20211022T115025_20211022T115327_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20211022T163207_20211022T164725_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20211022T002415_20211022T002508_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20211022T034151_20211022T034312_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20211022T052103_20211022T052210_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20211022T070017_20211022T070604_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20211022T133137_20211022T133409_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20211022T164725_20211022T164755_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20211022T182551_20211022T183102_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20211022T214155_20211022T214619_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20211022T234444_20211022T234603_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20211022T083534_20211022T084036_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20211022T091935_20211022T092302_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20211022T133409_20211022T134147_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20211022T151312_20211022T152023_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20211022T160833_20211022T161436_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20211022T183102_20211022T183626_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:

0

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:

0

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.

Wind Model File Usage: This file is currently not included in all L2 products.

Number of products with errors:

0

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

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20211022T163207_20211022T164725_C001	Total Geocentric Ocean Tide (GOT)	There is an error with the Total Geocentric Ocean Tide height (solution 1 GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20211022T002415_20211022T002508_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_20211022T010541_20211022T010655_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_20211022T011201_20211022T011517_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and the tidal corrections for one or more records
CS_OFFL_SIR_NOPN_2_20211022T024636_20211022T024913_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 1) for one or more records
CS_OFFL_SIR_NOPN_2_20211022T025106_20211022T025651_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 1) for one or more records
CS_OFFL_SIR_NOPN_2_20211022T034151_20211022T034312_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 1) for one or more records
CS_OFFL_SIR_NOPN_2_20211022T042455_20211022T042812_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 1) for one or more records
CS_OFFL_SIR_NOPN_2_20211022T052103_20211022T052210_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 1) for one or more records
CS_OFFL_SIR_NOPN_2_20211022T060409_20211022T060610_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_20211022T070017_20211022T070604_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20211022T074342_20211022T074500_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_20211022T075257_20211022T075533_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_20211022T092302_20211022T092423_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_20211022T093313_20211022T093437_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_20211022T110252_20211022T110618_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 1) for one or more records
CS_OFFL_SIR_NOPN_2_20211022T120133_20211022T120404_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_20211022T124157_20211022T124518_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 1) for one or more records
CS_OFFL_SIR_NOPN_2_20211022T125035_20211022T125158_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_20211022T133137_20211022T133409_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_NOPN_2_20211022T142924_20211022T142955_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 1) for one or more records
CS_OFFL_SIR_NOPN_2_20211022T151207_20211022T151312_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 1) for one or more records
CS_OFFL_SIR_NOPN_2_20211022T160633_20211022T160833_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 1) for one or more records
CS_OFFL_SIR_NOPN_2_20211022T165011_20211022T165227_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 1) for one or more records
CS_OFFL_SIR_NOPN_2_20211022T182551_20211022T183102_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_20211022T192549_20211022T192808_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_20211022T200346_20211022T200926_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_20211022T214155_20211022T214619_C001	Total Geocentric Ocean Tide (GOT)	There is an error with the Total Geocentric Ocean Tide height (solution 1 GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20211022T223521_20211022T223646_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_20211022T224443_20211022T224555_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_20211022T232356_20211022T232546_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_20211022T042310_20211022T042455_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more record
CS_OFFL_SIR_NOPR_2_20211022T051429_20211022T051621_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
		There is an amount to the MOO beints (colution 4) and the Moon Demoni
CS_OFFL_SIR_NOPR_2_20211022T051623_20211022T051807_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 1) for one or more records

CS_OFFL_SIR_NOPR_2_20211022T083534_20211022T084036_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 1) for one or more records
CS_OFFL_SIR_NOPR_2_20211022T101352_20211022T102237_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 1) for one or more records
CS_OFFL_SIR_NOPR_2_20211022T115327_20211022T120133_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 1) for one or more records
CS_OFFL_SIR_NOPR_2_20211022T133409_20211022T134147_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 1) for one or more records
CS_OFFL_SIR_NOPR_2_20211022T151312_20211022T152023_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 1) for one or more records
CS_OFFL_SIR_NOPR_2_20211022T165228_20211022T165858_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 1) for one or more records
CS_OFFL_SIR_NOPR_2_20211022T183102_20211022T183626_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 1) for one or more records
CS_OFFL_SIR_NOPR_2_20211022T183635_20211022T183739_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_20211022T200926_20211022T201826_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 1) for one or more records
CS_OFFL_SIR_NOPR_2_20211022T201826_20211022T201851_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_20211022T214619_20211022T215403_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 1) 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:

0

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.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20211021T234035_20211022T001506_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T002509_20211022T002731_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T004516_20211022T010114_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T010655_20211022T011201_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_20211022T011900_20211022T015424_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T021654_20211022T023937_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T025848_20211022T031015_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T031136_20211022T031342_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T031352_20211022T031526_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T032007_20211022T033122_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T034312_20211022T034545_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_20211022T034703_20211022T040426_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T040629_20211022T042047_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T043112_20211022T043520_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_20211022T043745_20211022T045016_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
55_51.5_51.6_5001.	Altimeter Range and Backscatter Quality	set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T045433_20211022T050355_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T052456_20211022T052543_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T052629_20211022T054323_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T054852_20211022T060129_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T060610_20211022T061423_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_20211022T061741_20211022T063239_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T070604_20211022T071441_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T071521_20211022T074123_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T074741_20211022T075257_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_20211022T075750_20211022T082049_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T085325_20211022T091935_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T092708_20211022T093313_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_20211022T093635_20211022T100331_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T101107_20211022T101352_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T102621_20211022T105811_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T110618_20211022T111144_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_20211022T111558_20211022T111935_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T115025_20211022T115327_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T120516_20211022T121420_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T121705_20211022T123825_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T124626_20211022T125035_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_20211022T125602_20211022T131211_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T133013_20211022T133052_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T134257_20211022T141709_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T143622_20211022T150804_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T152255_20211022T153500_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_NOPM_2_20211022T154237_20211022T155634_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T155904_20211022T160421_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_20211022T161436_20211022T162723_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T163207_20211022T164725_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T170939_20211022T171813_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T172142_20211022T173517_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T173831_20211022T174333_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_20211022T175206_20211022T175314_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T180927_20211022T181352_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T181635_20211022T182223_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_20211022T184604_20211022T184658_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_20211022T185316_20211022T191346_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T191900_20211022T192250_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_20211022T192257_20211022T192305_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_20211022T193017_20211022T195700_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T202945_20211022T205314_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T205644_20211022T210205_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_20211022T205644_20211022T210205_C001 CS_OFFL_SIR_NOPM_2_20211022T210932_20211022T214155_C001		for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been
	Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter 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 Quality Flags have been
CS_OFFL_SIR_NOPM_2_20211022T210932_20211022T214155_C001	Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter 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 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 Quality Flags have been
CS_OFFL_SIR_NOPM_2_20211022T210932_20211022T214155_C001 CS_OFFL_SIR_NOPM_2_20211022T215521_20211022T215634_C001	Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter 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 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 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 Quality Flags have been
CS_OFFL_SIR_NOPM_2_20211022T210932_20211022T214155_C001 CS_OFFL_SIR_NOPM_2_20211022T215521_20211022T215634_C001 CS_OFFL_SIR_NOPM_2_20211022T215702_20211022T215733_C001	Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter 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 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 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 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 Quality Flags have been
CS_OFFL_SIR_NOPM_2_20211022T210932_20211022T214155_C001 CS_OFFL_SIR_NOPM_2_20211022T215521_20211022T215634_C001 CS_OFFL_SIR_NOPM_2_20211022T215702_20211022T215733_C001 CS_OFFL_SIR_NOPM_2_20211022T220556_20211022T222505_C001	Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG	for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter 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 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 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 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 Quality Flags have been
CS_OFFL_SIR_NOPM_2_20211022T210932_20211022T214155_C001 CS_OFFL_SIR_NOPM_2_20211022T215521_20211022T215634_C001 CS_OFFL_SIR_NOPM_2_20211022T215702_20211022T215733_C001 CS_OFFL_SIR_NOPM_2_20211022T220556_20211022T222505_C001 CS_OFFL_SIR_NOPM_2_20211022T222836_20211022T223234_C001	Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG	for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter 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 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 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 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 Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T210932_20211022T214155_C001 CS_OFFL_SIR_NOPM_2_20211022T215521_20211022T215634_C001 CS_OFFL_SIR_NOPM_2_20211022T215702_20211022T215733_C001 CS_OFFL_SIR_NOPM_2_20211022T220556_20211022T222505_C001 CS_OFFL_SIR_NOPM_2_20211022T222836_20211022T223234_C001 CS_OFFL_SIR_NOPM_2_20211022T222836_20211022T223234_C001	Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality	for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter 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 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 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 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 Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T210932_20211022T214155_C001 CS_OFFL_SIR_NOPM_2_20211022T215521_20211022T215634_C001 CS_OFFL_SIR_NOPM_2_20211022T215702_20211022T215733_C001 CS_OFFL_SIR_NOPM_2_20211022T220556_20211022T222505_C001 CS_OFFL_SIR_NOPM_2_20211022T222836_20211022T223234_C001 CS_OFFL_SIR_NOPM_2_20211022T222836_20211022T223234_C001 CS_OFFL_SIR_NOPM_2_20211022T22283646_20211022T224443_C001 CS_OFFL_SIR_NOPM_2_20211022T223646_20211022T2232154_C001	Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality	for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter 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 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 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 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 Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20211022T210932_20211022T214155_C001 CS_OFFL_SIR_NOPM_2_20211022T215521_20211022T215634_C001 CS_OFFL_SIR_NOPM_2_20211022T215702_20211022T215733_C001 CS_OFFL_SIR_NOPM_2_20211022T220556_20211022T222505_C001 CS_OFFL_SIR_NOPM_2_20211022T222836_20211022T223234_C001 CS_OFFL_SIR_NOPM_2_20211022T222836_20211022T223234_C001 CS_OFFL_SIR_NOPM_2_20211022T223646_20211022T224443_C001 CS_OFFL_SIR_NOPM_2_20211022T225023_20211022T232154_C001 CS_OFFL_SIR_NOPM_2_20211022T225023_20211022T232154_C001	Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Quality, OCOG Backscatter Quality	for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter 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 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 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 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 Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_NOPN_2_20211022T052103_20211022T052210_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_NOPN_2_20211022T064540_20211022T064614_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_NOPN_2_20211022T155728_20211022T155903_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_NOPN_2_20211022T160452_20211022T160455_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_NOPN_2_20211022T174407_20211022T174410_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_NOPN_2_20211022T182551_20211022T183102_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20211022T202716_20211022T202718_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_NOPN_2_20211022T223521_20211022T223646_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_NOPN_2_20211022T234444_20211022T234603_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20211022T042047_20211022T042207_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20211022T045017_20211022T045135_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20211022T071441_20211022T071521_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_NOPR_2_20211022T113955_20211022T114330_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_NOPR_2_20211022T155634_20211022T155727_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20211022T183635_20211022T183739_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range 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.

Number of products with errors:

Test Failed	Description
OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Backscatter Quality OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM OCO

CS_OFFL_SIR_NOPN_2_20211022T070312_0011022T070604_0001 CS_OFFL_SIR_NOPN_2_20211022T0704342_20211022T070504_0001 CS_OFFL_SIR_NOPN_2_20211022T0704342_20211022T070504_0001 CS_OFFL_SIR_NOPN_2_20211022T0704342_20211022T070504_0001 CS_OFFL_SIR_NOPN_2_20211022T0704342_20211022T070504_0001 CS_OFFL_SIR_NOPN_2_20211022T0704342_20211022T070504_0001 CS_OFFL_SIR_NOPN_2_20211022T0704342_20211022T070504_0001 CS_OFFL_SIR_NOPN_2_20211022T070535_0001 CS_OFFL_SIR_NOPN_2_20211022T070535_0001 CS_OFFL_SIR_NOPN_2_20211022T0705362_0001 CS_OFFL_SIR_NOPN_2_20211022T070536_0001 CS_OFFL_SIR_NOPN_2_20211022T070536_0001 CS_OFFL_SIR_NOPN_2_20211022T070536_0001 CS_OFFL_SIR_NOPN_2_20211022T070536_0001 CS_OFFL_SIR_NOPN_2_20211022T070557_00011022T102681_C001 CS_OFFL_SIR_NOPN_2_20211022T1025_00011022T102681_C001 CS_OFFL_SIR_NOPN_2_20211022T1025_00011022T1036_0001 CS_OFFL_SIR_NOPN_2_20211022T11145_20211022T1136_0001 CS_OFFL_SIR_NOPN_2_20211022T11145_20211022T1136_0001 CS_OFFL_SIR_NOPN_2_20211022T13157_00011 CCCCG_ARrester Range_Quality PLRM. CCCCG_Basicater Quality PLRM. CCCCG_Basicater Quali	Flags e been r one Flags e been r one Flags e been r one r one r one
and Backscatter Quality PLRM. CS_OFFL_SIR_NOPN_2_20211022T074342_20211022T074500_0001 CS_OFFL_SIR_NOPN_2_20211022T074342_20211022T075503_0001 CS_OFFL_SIR_NOPN_2_20211022T075557_20211022T075533_0001 CS_OFFL_SIR_NOPN_2_20211022T075257_20211022T075533_0001 CS_OFFL_SIR_NOPN_2_20211022T082302_20211022T092423_0001 CS_OFFL_SIR_NOPN_2_20211022T082302_20211022T092423_0001 CS_OFFL_SIR_NOPN_2_20211022T082302_20211022T092708_0001 CS_OFFL_SIR_NOPN_2_20211022T082302_20211022T092708_0001 CS_OFFL_SIR_NOPN_2_20211022T092302_20211022T092708_0001 CS_OFFL_SIR_NOPN_2_20211022T092302_20211022T092708_0001 CS_OFFL_SIR_NOPN_2_20211022T092302_20211022T092708_0001 CS_OFFL_SIR_NOPN_2_20211022T02237_20211022T092708_0001 CS_OFFL_SIR_NOPN_2_20211022T02237_20211022T102621_0001 CS_OFFL_SIR_NOPN_2_20211022T110252_20211022T110618_0001 CS_OFFL_SIR_NOPN_2_20211022T110252_20211022T110618_0001 CS_OFFL_SIR_NOPN_2_20211022T110252_20211022T110618_0001 CS_OFFL_SIR_NOPN_2_20211022T110252_20211022T110618_0001 CS_OFFL_SIR_NOPN_2_20211022T1102133_20211022T1131302_0001 CS_OFFL_SIR_NOPN_2_20211022T131313_20211022T1313409_0001 CS_OFFL_SIR_NOPN_2_20211022T131313_20211022T1313409_0001 CS_OFFL_SIR_NOPN_2_20211022T1313090_20010 CS_OFFL_SIR_NOPN_2_20211022T1313090_20010 CS_OFFL_SIR_NOPN_2_20211022T1313090_20010 CS_OFFL_SIR_NOPN_2_20211022T1313090_20010 CS_OFFL_SIR_NOPN_2_20211022T1313090_20010 CS_OFFL_SIR_NOPN_2_20211022T1313090_20010 CS_OFFL_SIR_NOPN_2_20211022T1313090_20010 CCS_OFFL_SIR_NOPN_2_20211022T133090_20010 CCS_OFFL_SIR_NOPN_2_20211022T133090_20010 CCS_OFFL_SIR_NOPN_2_20211022T133090_20010 CCS_OFFL_SIR_NOPN_2_20211022T133090_20010 CCS_OFFL_SIR_NOPN_2_20211022T133090_20010 CCS_OFFL_SIR_NOPN_2_20211022T133090_2001002T13090_20010 CCS_OFFL_SIR_NOPN_2_20211022T133090_2001002T13090_20010 CCS_OFFL_SIR_NOPN_2_20211022T133090_2001002T13090_20010 CCS_OFFL_SIR_NOPN_2_20211022T133090_2001002T13090_20010 CCS_OFFL_SIR_NOPN_2_20211022T130904_20011022T13090_20010 CCS_OFFL_SIR_NOPN_2_20211022T130904_20011022T13090_20010 CCS_OFFL_SIR_	r one Flags e been Flags e been r one Flags e been r one r one r one
OCOG Backscatter Quality CS_OFFL_SIR_NOPN_2_20211022T075257_20211022T075533_C001 CS_OFFL_SIR_NOPN_2_20211022T075257_2021102T075533_C001 CS_OFFL_SIR_NOPN_2_20211022T092302_2021102T092422_C001 CS_OFFL_SIR_NOPN_2_20211022T092302_20211022T092422_C001 CS_OFFL_SIR_NOPN_2_20211022T092508_20211022T092422_C001 CS_OFFL_SIR_NOPN_2_20211022T092508_20211022T092422_C001 CS_OFFL_SIR_NOPN_2_20211022T092508_20211022T092708_C001 CS_OFFL_SIR_NOPN_2_20211022T092518_20211022T092708_C001 CS_OFFL_SIR_NOPN_2_20211022T02237_20211022T092708_C001 CS_OFFL_SIR_NOPN_2_20211022T102237_20211022T102821_C001 CS_OFFL_SIR_NOPN_2_20211022T102237_20211022T102821_C001 CS_OFFL_SIR_NOPN_2_20211022T110252_20211022T102821_C001 CS_OFFL_SIR_NOPN_2_20211022T111145_20211022T111026_C001 CCG_OFFL_SIR_NOPN_2_20211022T111145_20211022T111026_C001 CCG_OFFL_SIR_NOPN_2_20211022T111145_20211022T111026_C001 CCG_OFFL_SIR_NOPN_2_20211022T111145_20211022T11026_C001 CCG_OFFL_SIR_NOPN_2_20211022T111145_20211022T11020_C001 CCG_OFFL_SIR_NOPN_2_2021102ZT111145_2021102ZT11020_C001 CCG_OFFL_SIR_NOPN_2_2021102ZT111145_2021102ZT11020_C001 CCG_OFFL_SIR_NOPN_2_2021102ZT111145_2021102ZT11020_C001 CCG_OFFL_SIR_NOPN_2_2021102ZT1102133_2021102ZT11020_C001 CCG_OFFL_SIR_NOPN_2_2021102ZT1102133_2021102ZT11020_C001 CCG_OFFL_SIR_NOPN_2_2021102ZT1102133_2021102ZT11020_C001 CCG_OFFL_SIR_NOPN_2_2021102ZT130137_2021102ZT13000_C001 CCG_OFFL_SIR_NOPN_2_2021102ZT130137_2021102ZT13000_C001 CCG_OFFL_SIR_NOPN_2_2021102ZT130137_2021102ZT13000_C001 CCG_OFFL_SIR_NOPN_2_2021102ZT130137_2021102ZT150100_C001 CCG_OFFL_SIR_NOPN_2_2021102ZT15000_2021102ZT150100_C001 CCG_OFFL_SIR_NOPN_2_2021102ZT15000_2021102ZT15000_C001 CCG_OFFL_SIR_NOPN_2_2021102ZT15000_2021102ZT15000_C001 CCG_OFFL_SIR_NOPN_2_2021102ZT15000_2021102ZT15000_C001 CCG_OFFL_SIR_NOPN_2_2021102ZT15000_2021102ZT15000_C001 CCG_OFFL_SIR_NOPN_2_2021102ZT15000_202102ZT15000_C001 CCG_OFFL_SIR_NOPN_2_2021102ZT15000_202102ZT15000_C001 CCG_OFFL_SIR_NOPN_2_2021102ZT15000_202102ZT15000_C001 CCG_OFFL_SIR_NOPN_2_2021102ZT150	Flags e been Flags e been r one Flags e been r one r one
and Backscatter Quality PLRM. OCOG Altimeter Range and Backscatter Quality PLRM. OCOG Altimeter Range and Backscatter Quality PLRM. OCOG Altimeter Range and Backscatter Quality Plags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20211022T092302_20211022T092423_C001 CS_OFFL_SIR_NOPN_2_20211022T092516_20211022T092423_C001 CS_OFFL_SIR_NOPN_2_20211022T092516_20211022T092708_C001 CS_OFFL_SIR_NOPN_2_20211022T102257_20211022T102621_C001 CS_OFFL_SIR_NOPN_2_20211022T10252_20211022T102621_C001 CS_OFFL_SIR_NOPN_2_20211022T110252_20211022T110682_C001 CS_OFFL_SIR_NOPN_2_20211022T110252_20211022T110302_C001 CS_OFFL_SIR_NOPN_2_20211022T111145_20211022T111302_C001 CS_OFFL_SIR_NOPN_2_20211022T112033_20211022T1120404_C001 CS_OFFL_SIR_NOPN_2_20211022T12033_20211022T120404_C001 CS_OFFL_SIR_NOPN_2_20211022T133137_20211022T133409_C001 CS_OFFL_SIR_NOPN_2_20211022T131317_20211022T133409_C001 CS_OFFL_SIR_NOPN_2_20211022T13064_20211022T131312_C001 CS_OFFL_SIR_NOPN_2_20211022T13064_20211022T131312_C001 CS_OFFL_SIR_NOPN_2_20211022T13064_20211022T131312_C001 CS_OFFL_SIR_NOPN_2_20211022T13064_20211022T131312_C001 CS_OFFL_SIR_NOPN_2_20211022T13064_20211022T131312_C001 CS_OFFL_SIR_NOPN_2_20211022T131064_20211022T131312_C001 CS_OFFL_SIR_NOPN_2_20211022T131064_20211022T131312_C001 CS_OFFL_SIR_NOPN_2_20211022T131064_20211022T131312_C001 CS_OFFL_SIR_NOPN_2_20211022T131064_20211022T131312_C001 CS_OFFL_SIR_NOPN_2_20211022T131064_20211022T131312_C001 CS_OFFL_SIR_NOPN_2_20211022T131064_20211022T131312_C001 CS_OFFL_SIR_NOPN_2_20211022T131064_20211022T13112_C001 CS_OFFL_SIR_NOPN_2_20211022T131064_20211022T13112_C001 CS_OFFL_SIR_NOPN_2_20211022T131064_20211022T13112_C001 CS_OFFL_SIR_NOPN_2_20211022T131064_20211022T13112_C001 CS_OFFL_SIR_NOPN_2_20211022T131064_20211022T13112_C001 CS_OFFL_SIR_NOPN_2_20211022T131064_20211022T13112_C001 CCG_OFFL_SIR_NOPN_2_20211022T131064_20211022T13112_C001 CCG_OFFL_SIR_NOPN_2_20211022T131064_20211022T13112_C001 CCG_OFFL_SIR_NOPN_2_20211022T131064_20211022T13112_C001 CCG_OFFL_SI	e been Flags e been r one Flags e been r one r one
Allimeter Range and Backscatter Quality PLRM. CS_OFFL_SIR_NOPN_2_20211022T022302_20211022T0262708_C001 CS_OFFL_SIR_NOPN_2_20211022T02237_20211022T02621_C001 CS_OFFL_SIR_NOPN_2_20211022T10227_20211022T102621_C001 CS_OFFL_SIR_NOPN_2_20211022T10227_20211022T102621_C001 CS_OFFL_SIR_NOPN_2_20211022T10227_20211022T10618_C001 CS_OFFL_SIR_NOPN_2_20211022T110552_20211022T110618_C001 CS_OFFL_SIR_NOPN_2_20211022T11145_20211022T110018 CS_OFFL_SIR_NOPN_2_20211022T11145_20211022T11302_C001 CS_OFFL_SIR_NOPN_2_20211022T11145_20211022T11302_C001 CS_OFFL_SIR_NOPN_2_20211022T120133_20211022T120404_C001 CS_OFFL_SIR_NOPN_2_20211022T13137_20211022T131537_C001 CS_OFFL_SIR_NOPN_2_20211022T131317_20211022T131537_C001 CS_OFFL_SIR_NOPN_2_20211022T131317_20211022T131537_C001 CS_OFFL_SIR_NOPN_2_20211022T131317_20211022T131310_C001 CS_OFFL_SIR_NOPN_2_20211022T131317_20211022T131310_C001 CS_OFFL_SIR_NOPN_2_20211022T131317_20211022T131310_C001 CS_OFFL_SIR_NOPN_2_20211022T131317_20211022T131310_C001 CS_OFFL_SIR_NOPN_2_20211022T131317_20211022T131309_C001 CS_OFFL_SIR_NOPN_2_20211022T131317_20211022T13309_C001 CS_OFFL_SIR_NOPN_2_20211022T15004_20211022T150010_C001 CS_OFFL_SIR_NOPN_2_20211022T15004_20211022T150010_C001 CS_OFFL_SIR_NOPN_2_20211022T15004_20211022T150010_C001 CS_OFFL_SIR_NOPN_2_20211022T15004_20211022T150010_C001 CS_OFFL_SIR_NOPN_2_20211022T15004_20211022T150010_C001 CS_OFFL_SIR_NOPN_2_20211022T15004_20211022T150010_C001 CS_OFFL_SIR_NOPN_2_20211022T15004_20211022T150010_C001 CCGA Altimeter Range Quality PLRM, COGA Backscatter Quality Flags have been set for or more records. CS_OFFL_SIR_NOPN_2_20211022T15004_20211022T150010_C001 CCGA Altimeter Range Quality PLRM, COGA Backscatter Quality Flags have been set for or more records. CCGA Altimeter Range Quality PLRM, COGA Backscatter Quality Flags have been set for or more records. CCGA Altimeter Range Quality PLRM, COGA Backscatter Quality Flags have been set for or more records. CCGA Altimeter Range Quality PLRM, COGA Backscatter Quality Flags have been s	r one Flags e been r one r one r one
OCOG Backscatter Quality CS_OFFL_SIR_NOPN_2_20211022T102237_20211022T102621_C001 CS_OFFL_SIR_NOPN_2_20211022T102237_20211022T110618_C001 CS_OFFL_SIR_NOPN_2_20211022T110252_20211022T110618_C001 CS_OFFL_SIR_NOPN_2_20211022T111145_20211022T110618_C001 CS_OFFL_SIR_NOPN_2_20211022T111145_20211022T1110618_C001 CS_OFFL_SIR_NOPN_2_20211022T111145_20211022T111302_C001 CS_OFFL_SIR_NOPN_2_20211022T111145_20211022T111302_C001 CS_OFFL_SIR_NOPN_2_20211022T111145_20211022T1130404_C001 CS_OFFL_SIR_NOPN_2_20211022T112112021033_20211022T120404_C001 CS_OFFL_SIR_NOPN_2_20211022T131317_20211022T131357_C001 CCOG Altimeter Range Quality PLRM, COG Backscatter Quality PLR	Flags e been r one r one
and Backscatter Quality PLRM. OCOG Altimeter Range and Backscatter Quality PLRM. OCOG Altimeter Range and Backscatter Quality PLRM. OCOG Backscatter Qualit	r one
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CS_OFFL_SIR_NOPN_2_20211022T120133_20211022T120404_C001 CS_OFFL_SIR_NOPN_2_20211022T120133_20211022T120404_C001 CS_OFFL_SIR_NOPN_2_20211022T131211_20211022T131537_C001 CS_OFFL_SIR_NOPN_2_20211022T131211_20211022T131537_C001 CS_OFFL_SIR_NOPN_2_20211022T1313137_20211022T133409_C001 CS_OFFL_SIR_NOPN_2_20211022T133137_20211022T133409_C001 CS_OFFL_SIR_NOPN_2_20211022T150804_20211022T150910_C001 CS_OFFL_SIR_NOPN_2_20211022T150804_20211022T150910_C001 CS_OFFL_SIR_NOPN_2_20211022T150804_20211022T150910_C001 CS_OFFL_SIR_NOPN_2_20211022T151207_20211022T151312_C001 CCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality CCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality CS_OFFL_SIR_NOPN_2_20211022T151207_20211022T151312_C001 CCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality CS_OFFL_SIR_NOPN_2_20211022T170643_20211022T170939_C001 CCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality CS_OFFL_SIR_NOPN_2_20211022T170643_20211022T170939_C001 CCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OC	r one
CS_OFFL_SIR_NOPN_2_20211022T131211_20211022T131537_C001 CS_OFFL_SIR_NOPN_2_20211022T131211_20211022T133409_C001 CS_OFFL_SIR_NOPN_2_20211022T130804_20211022T150910_C001 CS_OFFL_SIR_NOPN_2_20211022T150804_20211022T150910_C001 CS_OFFL_SIR_NOPN_2_20211022T150804_20211022T150910_C001 CS_OFFL_SIR_NOPN_2_20211022T150804_20211022T150910_C001 CS_OFFL_SIR_NOPN_2_20211022T150804_20211022T150910_C001 CS_OFFL_SIR_NOPN_2_20211022T150804_20211022T150910_C001 CS_OFFL_SIR_NOPN_2_20211022T150804_20211022T150910_C001 CS_OFFL_SIR_NOPN_2_20211022T150804_20211022T150910_C001 CS_OFFL_SIR_NOPN_2_20211022T150804_20211022T150910_C001 CS_OFFL_SIR_NOPN_2_20211022T150804_20211022T150939_C001 CS_OFFL_SIR_NOPN_2_20211022T170643_20211022T170939_C001 CCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality CCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for or more records. CS_OFFL_SIR_NOPN_2_20211022T170643_20211022T170939_C001 CCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for or more records. CS_OFFL_SIR_NOPN_2_20211022T170643_20211022T170939_C001 CCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for or more records. CCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for or more records.	
OCOG Backscatter Quality CS_OFFL_SIR_NOPN_2_20211022T131217_20211022T133409_C001 CS_OFFL_SIR_NOPN_2_20211022T133137_20211022T133409_C001 CS_OFFL_SIR_NOPN_2_20211022T150804_20211022T150910_C001 CS_OFFL_SIR_NOPN_2_20211022T150804_20211022T150910_C001 CS_OFFL_SIR_NOPN_2_20211022T151207_20211022T151312_C001 CS_OFFL_SIR_NOPN_2_20211022T151207_20211022T151312_C001 CS_OFFL_SIR_NOPN_2_20211022T151314_20211022T15759_C001 CS_OFFL_SIR_NOPN_2_20211022T175314_20211022T175759_C001 CS_OFFL_SIR_NOPN_2_20211022T175314_20211022T175759_C001 CS_OFFL_SIR_NOPN_2_20211022T180435_20211022T175759_C001 CCOG Altimeter Range Quality PLRM, OCOG Backscatter Qual	r one
CS_OFFL_SIR_NOPN_2_20211022T150804_20211022T150910_C001 CS_OFFL_SIR_NOPN_2_20211022T150804_20211022T150910_C001 CS_OFFL_SIR_NOPN_2_20211022T151207_20211022T151312_C001 CS_OFFL_SIR_NOPN_2_20211022T151207_20211022T151312_C001 CS_OFFL_SIR_NOPN_2_20211022T170643_20211022T170939_C001 CS_OFFL_SIR_NOPN_2_20211022T170643_20211022T170939_C001 CS_OFFL_SIR_NOPN_2_20211022T175314_20211022T175759_C001 CS_OFFL_SIR_NOPN_2_20211022T175314_20211022T175759_C001 CS_OFFL_SIR_NOPN_2_20211022T175314_20211022T175759_C001 CCS_OFFL_SIR_NOPN_2_20211022T175314_20211022T175759_C001 CCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for or more records. CS_OFFL_SIR_NOPN_2_20211022T175314_20211022T175759_C001 CCS_OFFL_SIR_NOPN_2_20211022T175314_20211022T175759_C001 CCS_OFFL_SIR_NOPN_2_20211022T175314_20211022T175759_C001 CCS_OFFL_SIR_NOPN_2_20211022T175314_20211022T175759_C001 CCS_OFFL_SIR_NOPN_2_20211022T175314_20211022T175759_C001 CCCCG_Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for or more records. CCCCG_Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for or more records. CCCCG_Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for or more records.	
CS_OFFL_SIR_NOPN_2_20211022T150804_20211022T150910_C001 OCOG Backscatter Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for or more records. The OCOG Range and Backscatter Quality Flags have been set for or more records. CS_OFFL_SIR_NOPN_2_20211022T170643_20211022T170939_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCO	
CS_OFFL_SIR_NOPN_2_20211022T170643_20211022T170939_C001 CS_OFFL_SIR_NOPN_2_20211022T170643_20211022T170939_C001 CS_OFFL_SIR_NOPN_2_20211022T175314_20211022T175759_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for or more records. The OCOG Range and Backscatter Quality Flags have been set for or more records. The OCOG Range and Backscatter Quality Flags have been set for or more records. The OCOG Range and Backscatter Quality Flags have been set for or more records. OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for or more records.	one
OCOG Backscatter Quality OCOG Backscatter Quality OCOG Range and Backscatter Quality Flags have been set for or more records. The OCOG Range and Backscatter Quality Flags have been set for or more records. OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for or more records. The OCOG Range and Backscatter Quality Flags have been set for or more records.	one
OCOG Backscatter Quality Ocog Range and Backscatter Quality Flags have been set for	one
	one
	one
CS_OFFL_SIR_NOPN_2_20211022T181352_20211022T181515_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for or more records.	one
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range and Backscatter Quality PLRM and the OCOG Altimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM and Backscatter Quality PLRM The Ocean Altimeter Range and Backscatter Quality Flags have set for one or more records.	
CS_OFFL_SIR_NOPN_2_20211022T184658_20211022T185058_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for or more records.	one
CS_OFFL_SIR_NOPN_2_20211022T195746_20211022T195952_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for or more records.	one
CS_OFFL_SIR_NOPN_2_20211022T200346_20211022T200926_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for or more records.	one
CS_OFFL_SIR_NOPN_2_20211022T205519_20211022T205644_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM and the OCOG Altimeter Range and Backscatter Quality Flags have set for one or more records.	
CS_OFFL_SIR_NOPN_2_20211022T214155_20211022T214619_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for or more records.	one
CS_OFFL_SIR_NOPN_2_20211022T215403_20211022T215439_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM and the OCOG Altimeter Range and Backscatter Quality Flags have set for one or more records.	
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM The Ocean Altimeter Range and Backscatter Quality PLRM The	
CS_OFFL_SIR_NOPN_2_20211022T233800_20211022T233923_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for or more records.	e been Flags

CS_OFFL_SIR_NOPN_2_20211022T235158_20211022T235343_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_20211022T235633_20211022T235714_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_NOPR_2_20211022T002937_20211022T003151_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_NOPR_2_20211022T010114_20211022T010541_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20211022T011517_20211022T011859_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20211022T023937_20211022T024635_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20211022T040426_20211022T040623_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_NOPR_2_20211022T042310_20211022T042455_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20211022T045233_20211022T045433_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_NOPR_2_20211022T051429_20211022T051621_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_NOPR_2_20211022T060129_20211022T060409_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20211022T061610_20211022T061741_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20211022T063239_20211022T063511_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20211022T074123_20211022T074342_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20211022T083534_20211022T084036_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20211022T091935_20211022T092302_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20211022T093437_20211022T093634_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20211022T100938_20211022T101107_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_NOPR_2_20211022T101352_20211022T102237_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20211022T105811_20211022T110252_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20211022T111302_20211022T111558_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20211022T114622_20211022T114905_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_NOPR_2_20211022T115327_20211022T120133_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20211022T121420_20211022T121704_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20211022T125158_20211022T125602_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20211022T133409_20211022T134147_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20211022T143043_20211022T143622_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_NOPR_2_20211022T15350_20211022T15350_20211022T15350_2011022T	CS_OFFL_SIR_NOPR_2_20211022T151312_20211022T152023_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20211022T160833_20211022T165091_C001 CS_OFFL_SIR_NOPR_2_20211022T165298_20211022T165091_C001 CS_OFFL_SIR_NOPR_2_20211022T165298_20211022T165091_C001 CS_OFFL_SIR_NOPR_2_20211022T165298_20211022T165091_C001 CS_OFFL_SIR_NOPR_2_20211022T185192_20211022T185088_C001 CS_OFFL_SIR_NOPR_2_20211022T185192_20211022T185088_C001 CS_OFFL_SIR_NOPR_2_20211022T185192_20211022T185088_C001 CS_OFFL_SIR_NOPR_2_20211022T185192_20211022T185088_C001 CS_OFFL_SIR_NOPR_2_20211022T185192_20211022T185088_C001 CS_OFFL_SIR_NOPR_2_20211022T185192_20211022T185088_C001 CS_OFFL_SIR_NOPR_2_20211022T185192_20211022T185088_C001 CS_OFFL_SIR_NOPR_2_20211022T185192_20211022T185082_C001 CS_OFFL_SIR_NOPR_2_20211022T185192_20211022T18509_C001 CS_OFFL_SIR_NOPR_2_20211022T185192_20211022T18509_C001 CS_OFFL_SIR_NOPR_2_20211022T185092_20211022T18509_C001 CS_OFFL_SIR_NOPR_2_20211022T185092_20211022T18509_C001 CS_OFFL_SIR_NOPR_2_20211022T185092_20211022T18509_C001 CS_OFFL_SIR_NOPR_2_20211022T185092_20211022T18509_C001 CS_OFFL_SIR_NOPR_2_20211022T200826_20211022T200826_2001 CS_OFFL_SIR_NOPR_2_20211022T200826_20211022T250926_C001 CS_OFFL_SIR_NOPR_2_20211022T250926_20211022T250926_C001 CS_OFFL_SIR_NOPR_2_20211022T250926_20211022T250926_C001 CS_OFFL_SIR_NOPR_2_20211022T250926_20211022T250926_C001 CS_OFFL_SIR_NOPR_2_20211022T2250926_20211022T250926_C001 CS_OFFL_SIR_NOPR_2_20211022T2250926_20211022T250926_C001 CS_OFFL_SIR_NOPR_2_20211022T2250926_20211022T22509_C001 CS_OFFL_SIR_NOPR_2_20211022T2250926_20211022T22509_C001 CS_OFFL_SIR_NOPR_2_20211022T2250926_20211022T22509_C001 CS_OFFL_SIR_NOPR_2_20211022T2250926_20211022T22509_C001 CS_OFFL_SIR_NOPR_2_20211022T2250926_20211022T22509_C001 CS_OFFL_SIR_NOPR_2_20211022T2250926_20211022T22509_C001 CS_OFFL_SIR_NOPR_2_2021102T222309_20211022T22509_C001 CS_OFFL_SIR_NOPR_2_20211022T22509_2020000000000000000000000000000000	CS_OFFL_SIR_NOPR_2_20211022T153500_20211022T153941_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCOG Backscatter Quality CS_OFFL_SIR_NOPR_2_20211022T18528_20211022T185858_C001 CS_OFFL_SIR_NOPR_2_20211022T18155_20211022T181835_C001 CS_OFFL_SIR_NOPR_2_20211022T18155_20211022T181835_C001 CS_OFFL_SIR_NOPR_2_20211022T181835_C001 CS_OFFL_SIR_NOPR_2_20211022T183835_C001 CS_OFFL_SIR_NOPR_2_20211022T183835_C001 CS_OFFL_SIR_NOPR_2_20211022T183835_C001 CS_OFFL_SIR_NOPR_2_20211022T183835_C001 CS_OFFL_SIR_NOPR_2_20211022T183835_C001 CS_OFFL_SIR_NOPR_2_20211022T183835_C001 CS_OFFL_SIR_NOPR_2_20211022T183835_C001 CS_OFFL_SIR_NOPR_2_20211022T183835_C001 CS_OFFL_SIR_NOPR_2_20211022T183835_C001 CS_OFFL_SIR_NOPR_2_20211022T183939_C001 CS_OFFL_SIR_NOPR_2_20211022T18536_C001 CS_OFFL_SIR_NOPR_2_20211022T18536_C001 CS_OFFL_SIR_NOPR_2_20211022T23536_C001 CS_OFFL_SIR_NOPR_2_20211022T23536_C001 CS_OFFL_SIR_NOPR_2_20211022T23535_C0211022T25849_C001 CS_OFFL_SIR_NOPR_2_20211022T215934_C001 CS_OFFL_SIR_NOPR_2_20211022T215949_C001 CS_OFFL_SIR_NOPR_2_20211022T215949_C001 CS_OFFL_SIR_NOPR_2_20211022T2252525_C001 CS_OFFL_SIR_NOPR_2_20211022T22535_C001 CS_OFFL_SIR_NOPR_2_20211022T22535_C0011022T225325_C001 CS_OFFL_SIR_NOPR_2_20211022T23355_C0211022T225325_C001 CS_OFFL_SIR_NOPR_2_20211022T23355_C0211022T23336_C001 CS_OFFL_SIR_NOPR_2_20211022T23335_C0211022T23336_C001 CS_OFFL_SIR_NOPR_2_20211022T23335_C0211022T23336_C001 CS_OFFL_SIR_NOPR_2_20211022T23335_C0211022T23336_C001 CS_OFFL_SIR_NOPR_2_20211022T23335_C0211022T23336_C001 CS_OFFL_SIR_NOPR_2_20211022T23335_C0211022T23336_C001 CS_OFFL_SIR_NOPR_2_20211022T23335_C0211022T23336_C001 CS_OFFL_SIR_NOPR_2_20211022T23335_C0211022T23336_C001 CS_OFFL_SIR_NOPR_2_	CS_OFFL_SIR_NOPR_2_20211022T160833_20211022T161436_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20211022T185228_20211022T18535_C001 and Backscatter Quality PLRM, OCOG Allimeter Range and Backscatter Quality Plags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20211022T181515_20211022T181535_C001 CS_OFFL_SIR_NOPR_2_20211022T183102_20211022T183626_C001 CS_OFFL_SIR_NOPR_2_20211022T183102_20211022T183626_C001 CS_OFFL_SIR_NOPR_2_20211022T183635_20211022T183739_C001 CS_OFFL_SIR_NOPR_2_20211022T185152_20211022T185316_C001 CS_OFFL_SIR_NOPR_2_20211022T185152_20211022T185316_C001 CS_OFFL_SIR_NOPR_2_20211022T185152_20211022T185316_C001 CS_OFFL_SIR_NOPR_2_20211022T20926_20211022T218536_C001 CS_OFFL_SIR_NOPR_2_20211022T20926_20211022T218536_C001 CS_OFFL_SIR_NOPR_2_20211022T250926_20211022T215403_C001 CS_OFFL_SIR_NOPR_2_20211022T2165734_20211022T215403_C001 CS_OFFL_SIR_NOPR_2_20211022T232352_20211022T25032_C001 CS_OFFL_SIR_NOPR_2_20211022T232352_20211022T25032_C001 CS_OFFL_SIR_NOPR_2_20211022T232356_C001 CS_OFFL_SIR_NOPR_2_20211022T232356_C001 CS_OFFL_SIR_NOPR_2_20211022T232356_C001 CS_OFFL_SIR_NOPR_2_20211022T232356_C001 CS_OFFL_SIR_NOPR_2_20211022T233302_20211022T25032_C001 CS_OFFL_SIR_NOPR_2_20211022T233302_20211022T25032_C001 CS_OFFL_SIR_NOPR_2_20211022T233302_20211022T230326_C001 CS_OFFL_SIR_NOPR_2_20211022T233302_20211022T230326_C001 CCCG_Altimeter Range_Coulity PLRM, COCG_Altimeter Range_and Backscatter Quality Flags have been set for one or more records. CCCG_Altimeter Range_Coulity PLRM, COCG_Altimeter Range_and Backscatter Quality Flags have been set for one or more records. CCCG_Altimeter Range_SSHA_SWH and Backscatter Quality Flags have been set for one or more records. CCCG_Altimeter Range_Altimeter Range_SSHA_SWH and Backscatter Quality Flags have been set for one or more records. CCCG_Altimeter Range_Altimeter Range_SSHA_SWH and Backscatter Quality Flags have been set for one or more records. CCCG_Altimeter Range_Altimeter Range_SSHA_SWH and Backscatter Quality Flags have been set for one or more records. CCCG_Altimeter Range_Altimeter Range_Alti	CS_OFFL_SIR_NOPR_2_20211022T162759_20211022T163013_C001		
and Backscatter Quality PLFM, OCOG Altimeter Range and Backscatter Quality PLBM of Company PLB	CS_OFFL_SIR_NOPR_2_20211022T165228_20211022T165858_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, COCG Altimeter Range and Backscatter Quality PLRM or more records. CS_OFFL_SIR_NOPR_2_20211022T183635_20211022T183739_C001 CS_OFFL_SIR_NOPR_2_20211022T185152_20211022T18516_C001 CS_OFFL_SIR_NOPR_2_20211022T185152_20211022T185316_C001 CS_OFFL_SIR_NOPR_2_20211022T200926_20211022T201826_C001 CS_OFFL_SIR_NOPR_2_20211022T200926_20211022T201826_C001 CS_OFFL_SIR_NOPR_2_20211022T214619_20211022T215403_C001 CS_OFFL_SIR_NOPR_2_20211022T214619_20211022T215403_C001 CS_OFFL_SIR_NOPR_2_20211022T215734_20211022T215843_C001 CS_OFFL_SIR_NOPR_2_20211022T232355_20211022T223231_C001 CS_OFFL_SIR_NOPR_2_20211022T23325_20211022T223235_C001 CS_OFFL_SIR_NOPR_2_20211022T233202_20211022T223236_C001 CS_OFFL_SIR_NOPR_2_20211022T233202_20211022T223236_C001 CS_OFFL_SIR_NOPR_2_20211022T233202_20211022T232356_C001 CS_OFFL_SIR_NOPR_2_20211022T233202_20211022T232356_C001 CS_OFFL_SIR_NOPR_2_20211022T233202_20211022T232356_C001 CS_OFFL_SIR_NOPR_2_20211022T233202_20211022T232356_C001 CS_OFFL_SIR_NOPR_2_20211022T233202_20211022T232356_C001 CS_OFFL_SIR_NOPR_2_20211022T233202_20211022T232356_C001 CS_OFFL_SIR_NOPR_2_20211022T232302_20211022T232356_C001 CS_OFFL_SIR_	CS_OFFL_SIR_NOPR_2_20211022T181515_20211022T181635_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20211022T185152_20211022T185316_C001 CS_OFFL_SIR_NOPR_2_20211022T200926_20211022T201826_C001 CS_OFFL_SIR_NOPR_2_20211022T200926_20211022T201826_C001 CS_OFFL_SIR_NOPR_2_20211022T200926_20211022T201826_C001 CS_OFFL_SIR_NOPR_2_20211022T214619_20211022T215403_C001 CS_OFFL_SIR_NOPR_2_20211022T214619_20211022T215403_C001 CS_OFFL_SIR_NOPR_2_20211022T215734_20211022T215843_C001 CS_OFFL_SIR_NOPR_2_20211022T215734_20211022T215843_C001 CS_OFFL_SIR_NOPR_2_20211022T223235_20211022T223521_C001 CS_OFFL_SIR_NOPR_2_20211022T223235_20211022T223521_C001 CS_OFFL_SIR_NOPR_2_20211022T223235_20211022T225023_C001 CS_OFFL_SIR_NOPR_2_20211022T223235_20211022T225023_C001 CS_OFFL_SIR_NOPR_2_20211022T223230_20211022T225023_C001 CS_OFFL_SIR_NOPR_2_20211022T223230_20211022T225023_C001 CS_OFFL_SIR_NOPR_2_20211022T223230_20211022T225023_C001 CS_OFFL_SIR_NOPR_2_20211022T223230_20211022T225023_C001 CS_OFFL_SIR_NOPR_2_20211022T223230_20211022T225023_C001 CS_OFFL_SIR_NOPR_2_20211022T223230_20211022T225023_C001 CS_OFFL_SIR_NOPR_2_20211022T223230_20211022T2232356_C001 CCGG Altimeter Range and Backscatter Quality PLRM, CCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20211022T223235_C001 CS_OFFL_SIR_NOPR_2_20211022T223235_C001 CS_OFFL_SIR_NOPR_2_20211022T223230_20211022T223235_C001 CS_OFFL_SIR_NOPR_2_20211022T232302_0211022T223235_C001 CS_OFFL_SIR_NOPR_2_20211022T232302_0211022T23235_C001 CCGG Altimeter Range Quality PLRM, CCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20211022T232302_0211022T232356_C001 CCGG Altimeter Range Quality PLRM, CCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCGG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPR_2_20211022T183102_20211022T183626_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCOG Backscatter Quality Ocogan Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Backscatter Qualit	CS_OFFL_SIR_NOPR_2_20211022T183635_20211022T183739_C001		
CS_OFFL_SIR_NOPR_2_20211022T200926_20211022T201826_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20211022T214619_20211022T215403_C001 CS_OFFL_SIR_NOPR_2_20211022T215734_20211022T215843_C001 CS_OFFL_SIR_NOPR_2_20211022T215734_20211022T215843_C001 CS_OFFL_SIR_NOPR_2_20211022T223255_20211022T223521_C001 CS_OFFL_SIR_NOPR_2_20211022T223235_20211022T223521_C001 CS_OFFL_SIR_NOPR_2_20211022T223235_20211022T223521_C001 CS_OFFL_SIR_NOPR_2_20211022T223235_20211022T223521_C001 CS_OFFL_SIR_NOPR_2_20211022T223235_20211022T223521_C001 CS_OFFL_SIR_NOPR_2_20211022T223235_20211022T223521_C001 CS_OFFL_SIR_NOPR_2_20211022T223235_20211022T223525_C001 CS_OFFL_SIR_NOPR_2_20211022T2232302_20211022T223235_C001 CS_OFFL_SIR_NOPR_2_20211022T2232302_20211022T223235_C001 CS_OFFL_SIR_NOPR_2_20211022T2232302_20211022T223235_C001 CS_OFFL_SIR_NOPR_2_20211022T232302_20211022T232356_C001 CS_OFFL_SIR_NOPR_2_20211022T232302_20211022T232356_C001 CS_OFFL_SIR_NOPR_2_20211022T232302_20211022T232356_C001 CCGG Altimeter Range Quality PLRM, CCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCGG Altimeter Range Quality PLRM, CCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCGG Altimeter Range Quality PLRM, CCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCGG Altimeter Range Quality PLRM, CCGG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CCGG Altimeter Range Quality PLRM, CCGG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPR_2_20211022T185152_20211022T185316_C001		
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20211022T215734_20211022T215843_C001 CS_OFFL_SIR_NOPR_2_20211022T223235_20211022T223521_C001 CS_OFFL_SIR_NOPR_2_20211022T223235_20211022T223521_C001 CS_OFFL_SIR_NOPR_2_20211022T223235_20211022T223521_C001 CS_OFFL_SIR_NOPR_2_20211022T223235_20211022T223521_C001 CS_OFFL_SIR_NOPR_2_20211022T223235_20211022T225023_C001 CS_OFFL_SIR_NOPR_2_20211022T223235_20211022T225023_C001 CS_OFFL_SIR_NOPR_2_20211022T2232302_20211022T225023_C001 CS_OFFL_SIR_NOPR_2_20211022T2232302_20211022T232356_C001 CS_OFFL_SIR_NOPR_2_20211022T232302_20211022T232356_C001 CS_OFFL_SIR_NOPR_3_20211022T232302_20211022T232356_C001 CS_OFFL_SIR_NOPR_3_20211022T232302_2021102	CS_OFFL_SIR_NOPR_2_20211022T200926_20211022T201826_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPR_2_20211022T223235_20211022T223521_C001 CS_OFFL_SIR_NOPR_2_20211022T223235_20211022T223521_C001 CS_OFFL_SIR_NOPR_2_20211022T223235_20211022T223521_C001 CS_OFFL_SIR_NOPR_2_20211022T224556_20211022T225023_C001 CS_OFFL_SIR_NOPR_2_20211022T2232302_20211022T225023_C001 CS_OFFL_SIR_NOPR_2_20211022T232302_20211022T232356_C001 CS_OFFL_SIR_NOPR_2_20211022T232302_20211022T232356_C001 CS_OFFL_SIR_NOPR_2_20211022T232302_20211022T232356_C001 CS_OFFL_SIR_NOPR_2_20211022T232302_20211022T232356_C001 CS_OFFL_SIR_NOPR_2_20211022T232302_20211022T232306_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter 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 Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPR_2_20211022T232302_20211022T232356_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter 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.	CS_OFFL_SIR_NOPR_2_20211022T214619_20211022T215403_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM ocog Altimeter Range and Backscatter Quality PLRM ocog Altimeter Range, SSHA, SWH and Backscatter Quality PLRM ocog Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPR_2_20211022T215734_20211022T215843_C001		
CS_OFFL_SIR_NOPR_2_20211022T224556_20211022T225023_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM oCOG Altimeter Range and Backscatter Quality PLRM. CS_OFFL_SIR_NOPR_2_20211022T232302_20211022T232356_C001 CS_OFFL_SIR_NOPR_2_20211022T232302_20211022T232356_C001 And Backscatter Quality PLRM, OCOG Altimeter Range 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. CS_OFFL_SIR_NOPR_2_20211022T232302_20211022T232300_C001 OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPR_2_20211022T223235_20211022T223521_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCOG Backscatter Quality OCOG Backscatter Quality Or more records. OCOG Backscatter Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one	CS_OFFL_SIR_NOPR_2_20211022T224556_20211022T225023_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_NOPR_2_20211022T232302_20211022T232356_C001		
	CS_OFFL_SIR_NOPR_2_20211022T233707_20211022T233800_C001		

L2 Quality Flags (1 Hz & 1Hz PLRM)

Currently, there are several common flags raised in the Level 2 products, which are summarised below.

184

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

Number of products with errors:

5.7 L2 Ocean Retracking Quality Check

L2 Retracking Flags (20Hz)

CryoSat L2 data includes an ocean retracking quality 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:

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.

Number of products with errors: 126

7. NOP QCC Report Analysis

The Quality Control for CryoSat (QCC) facility performs a primary survey of data products immediately after production by the PDS and LTA processing facilities. A list of the tests which raised errors or warnings is provided below.

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_NOPM1B	171	171	8	163	0
SIR_NOPR1B	88	88	0	88	0
SIR_NOPN1B	101	101	1	100	0
SIR_NOPM_2	171	171	115	56	0
SIR_NOPR_2	88	88	23	62	3
SIR_NOPN_2	101	101	43	58	0

7.1 QCC Errors

SIR_NOPR_2

Number of QCC reports with errors:

Product Type RLOBOPNCDF

RLOBOPNCDF

RL

rotal number	or occurrences	or each error				
-	-	•	-	-	-	-

Test Description Key:					
Abbreviation	Test name	Details			
RLOBOPNCDF	RangeLatitudeOrBlankOP_7NetCDF	Latitude should be between -90E7 and 90E7 - NetCDF			
RL	RangeLatitude_7	Latitude should be between -90E7 and 90E7			
RLOBOPNCDF	RangeLongitudeOrBlankOP_7NetCDF	Longitude should be between -180E7 and 180E7 - NetCDF			
RL	RangeLongitude_7	Longitude should be between -180E7 and 180E7			

7.2 QCC Warnings

Number of QCC reports with warnings

1685

Total number of occurrences of each warning

Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNCD
SIR_NOPM1B	163	0	0	0	0	0	0
SIR_NOPM_2	0	0	41	44	1	42	0
SIR_NOPN1B	99	0	0	0	0	0	0
SIR_NOPN_2	0	0	8	31	4	26	32
SIR_NOPR1B	84	0	0	0	0	0	0
SIR NOPR 2	0	3	32	40	0	35	32

Product Type	RBSZOPOEPNCDF	RNELPOTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARNC	RPEPOPFDPLRMSINNCD	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	35	1	37	0	0	0	0
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	24	0	0	0	26	0	35
SIR_NOPR1B	0	0	0	0	0	0	0
SIR NOPR 2	17	0	0	44	0	48	0

Product Type	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
SIR_NOPM1B	0	0	0	0	0	0	0
SIR_NOPM_2	34	0	0	10	26	0	4
SIR_NOPN1B	0	0	0	0	0	0	0
SIR_NOPN_2	0	0	25	17	41	47	25
SIR_NOPR1B	0	0	0	0	0	0	0
SIR NOPR 2	0	44	0	1	52	32	9

Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF	SCSTODNCDF
SIR_NOPM1B	0	0	0	1	0	0	0
SIR_NOPM_2	34	0	2	1	0	0	0
SIR_NOPN1B	0	0	0	0	0	48	0
SIR_NOPN_2	27	29	13	0	0	0	0
SIR NOPR1B	0	0	0	0	0	88	2
SIR NOPR 2	39	44	3	0	3	0	0

Test Description Key:						
Abbreviation	Test name	Details				
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter				
IOHHMOOR	IndexOf1Hzin20HzMappingOutOfRange	The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1)				
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees				
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees				
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only				
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RBSZOPOEPFDPLRM	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
NCDF RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter signa zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RNELPOTONCDF	RangeNELPOceanTideOceanNetCDF	The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean				
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPFDPLRMSAR	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPFDSARNCDF	RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean				
RSSHAOFDNCDF	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean				
RSSHAOFDPLRMNCD	RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean				
RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean				
RSWHOEPFDNCDF	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
RSWHOEPFDPLRMN CDF	RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 decrees				
RSWHOEPNCDF	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees				
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Stop_v2_NetCDF	Rel_Time_ASC_Node_Stop mismatch				
SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample				
SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter				
SCSTODNCDF	SequenceCounterStepTODNetCDF	The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter				

7.3 Missing QCC Reports