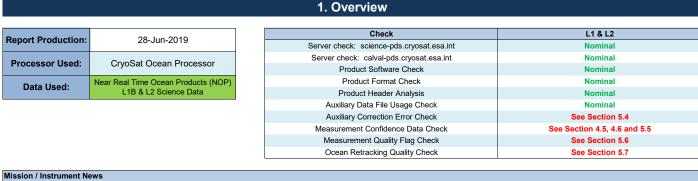
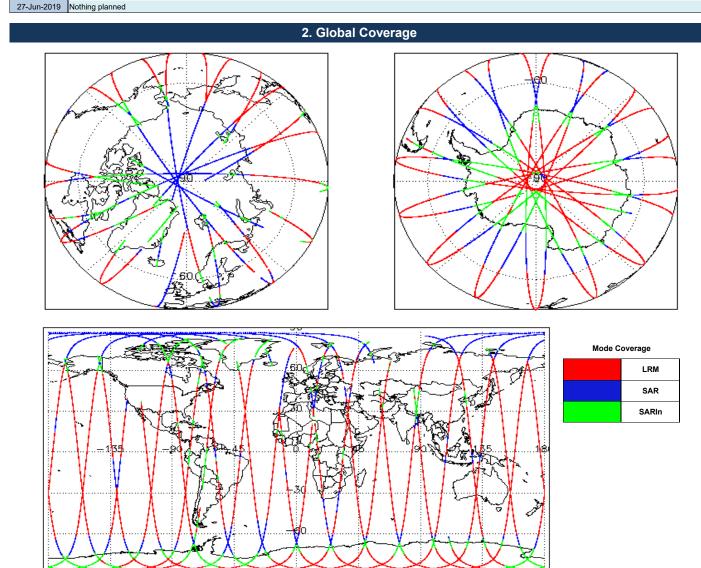


IDEAS+ Daily Report for NOP data:

26/06/2019



	mooren / motrument news		
25-Jun-2019		None	
	26-Jun-2019	None	



3. Instrument Configuration

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

SIRAL instrument(s) in use:

SIRAL - A

4. NOP Level 1B Data Quality Check

4.1 L1B Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a binary product file (.DBL).

4.2 L1B Product Header Analysis

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

L1B Processing Quality HR: The 11b_proc_flag_hr flag is currently set all L1B IOPR and IOPN products because the 11b_processing_quality_hr field is not correctly configured in the OSAR and OSARIn chains. A modification is required in the next 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:

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.

3

Number of products with errors:

4.5 L1B Measurement Confidence Data Check

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

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

Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20190626T111724_20190626T111855_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_NOPM1B_20190626T163646_20190626T163733_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records
CS_OFFL_SIR_NOPM1B_20190626T204157_20190626T211756_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

4.6 L1B Waveform Group Data Check

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

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

Number of

products with errors:	16

CS_OFFL_SIR_NOPM1B_20190626T081600_20190626T085115_C001Less of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPM1B_20190626T101541_20190626T103041_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPM1B_20190626T013431_20190626T013631_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T013431_20190626T031607_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T071456_20190626T071905_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T071456_20190626T071905_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T080252_0190626T080310_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T08045_20190626T080552_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T12009_20190626T112309_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T03047_20190626T131039_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T03047_20190626T23052_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T230417_20190626T23052_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T230417_20190626T23052_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_2019	Product	Test Failed	Description
CS_OFFL_SIR_NOPM1B_20190626T182859_20190626T184610_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T013431_20190626T013631_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T031456_20190626T031607_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T071456_20190626T071905_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T080225_20190626T080310_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T08045_20190626T080552_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T112009_20190626T112309_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T131004_20190626T131039_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T131004_20190626T131039_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T230417_20190626T230528_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T230650_20190626T230586_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T030734_20190626T030914_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T17947_20190626T030914_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1	CS_OFFL_SIR_NOPM1B_20190626T081600_20190626T085115_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190626T013431_20190626T013631_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T031456_20190626T031607_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T071456_20190626T071905_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T080225_20190626T080310_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T080445_20190626T080552_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T12009_20190626T12309_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T131004_20190626T131039_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T230427_20190626T23053_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T230417_20190626T230528_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T230417_20190626T230856_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T030734_20190626T230856_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPR1B_20190626T030734_20190626T30914_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPR1B_20190626T171947_20190626T172316_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPR1B_	CS_OFFL_SIR_NOPM1B_20190626T101541_20190626T103041_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190626T031456_20190626T031607_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T071456_20190626T071905_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T080225_20190626T080310_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T080445_20190626T080552_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T112009_20190626T112309_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T131004_20190626T131039_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T203427_20190626T203953_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T230417_20190626T230528_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T230650_20190626T230856_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T030734_20190626T030914_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPR1B_20190626T171947_20190626T172316_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPR1B_20190626T17947_20190626T172316_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPR1B_20190626T171947_20190626T172316_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPR	CS_OFFL_SIR_NOPM1B_20190626T182859_20190626T184610_C001	Loss of Echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_NOPN1B_20190626T112009_20190626T112309_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T131004_20190626T131039_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T203427_20190626T203953_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T230417_20190626T230528_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T230650_20190626T230856_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPR1B_20190626T030734_20190626T030914_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPR1B_20190626T171947_20190626T172316_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPR1B_20190626T171947_20190626T172316_C001Loss of EchoThe tracking echo is missing for one or more records	CS_OFFL_SIR_NOPN1B_20190626T080225_20190626T080310_C001	Loss of Echo	The tracking echo is missing for one or more records
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CS_OFFL_SIR_NOPN1B_20190626T203427_20190626T203953_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T230417_20190626T230528_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T230650_20190626T230856_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPN1B_20190626T030734_20190626T030914_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPR1B_20190626T030734_20190626T030914_C001Loss of EchoThe tracking echo is missing for one or more recordsCS_OFFL_SIR_NOPR1B_20190626T171947_20190626T172316_C001Loss of EchoThe tracking echo is missing for one or more records	CS_OFFL_SIR_NOPN1B_20190626T112009_20190626T112309_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190626T230417_20190626T230528_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_NOPN1B_20190626T230650_20190626T230856_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_NOPR1B_20190626T030734_20190626T030914_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_NOPR1B_20190626T171947_20190626T172316_C001 Loss of Echo The tracking echo is missing for one or more records	CS_OFFL_SIR_NOPN1B_20190626T131004_20190626T131039_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190626T230650_20190626T230856_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_NOPR1B_20190626T030734_20190626T030914_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_NOPR1B_20190626T171947_20190626T172316_C001 Loss of Echo The tracking echo is missing for one or more records	CS_OFFL_SIR_NOPN1B_20190626T203427_20190626T203953_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190626T030734_20190626T030914_C001 Loss of Echo The tracking echo is missing for one or more records CS_OFFL_SIR_NOPR1B_20190626T171947_20190626T172316_C001 Loss of Echo The tracking echo is missing for one or more records	CS_OFFL_SIR_NOPN1B_20190626T230417_20190626T230528_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190626T171947_20190626T172316_C001 Loss of Echo The tracking echo is missing for one or more records	CS_OFFL_SIR_NOPN1B_20190626T230650_20190626T230856_C001	Loss of Echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_NOPR1B_20190626T030734_20190626T030914_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20190626T181721_20190626T182055_C001 Loss of Echo The tracking echo is missing for one or more records	CS_OFFL_SIR_NOPR1B_20190626T171947_20190626T172316_C001	Loss of Echo	The tracking echo is missing for one or more records
	CS_OFFL_SIR_NOPR1B_20190626T181721_20190626T182055_C001	Loss of Echo	The tracking echo is missing for one or more records

5. NOP Level 2 Data Quality Check

5.1 L2 Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a binary product file (.DBL).

Number of products with errors:

5.2 L2 Product Header Analysis

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

5.3 L2 Auxiliary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.

5.4 L2 Auxiliary Correction Error Check

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

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

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

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20190626T013921_20190626T014011_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_NOPM_2_20190626T110413_20190626T111645_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20190625T235854_20190626T000120_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_20190626T004832_20190626T005031_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_20190626T013431_20190626T013631_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_20190626T031456_20190626T031607_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_20190626T035846_20190626T040113_C001	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_20190626T053707_20190626T054020_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_20190626T071456_20190626T071905_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_20190626T072435_20190626T072600_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_20190626T090230_20190626T090413_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_20190626T094611_20190626T094707_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_20190626T104020_20190626T104236_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_20190626T112009_20190626T112309_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_20190626T112407_20190626T112621_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20190626T121037_20190626T121227_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 heig (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20190626T121914_20190626T122359_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_20190626T130049_20190626T130444_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_20190626T140027_20190626T140218_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_20190626T184850_20190626T185015_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_20190626T185524_20190626T185832_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_20190626T202933_20190626T203221_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_20190626T203427_20190626T203953_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_20190626T212518_20190626T212852_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_20190626T220901_20190626T221137_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_20190626T230417_20190626T230528_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_20190626T234100_20190626T234242_C001	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 Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_NOPN_2_20190626T234616_20190626T234950_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_20190626T030935_20190626T031456_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_20190626T043742_20190626T043942_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_20190626T044841_20190626T045637_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_20190626T062659_20190626T063613_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_20190626T080810_20190626T081237_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_20190626T081237_20190626T081600_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 20190626T094707 20190626T095248 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_20190626T095302_20190626T095427_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_20190626T101404_20190626T101541_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_20190626T112621_20190626T112831_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_20190626T112831_20190626T113317_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_20190626T125739_20190626T130017_C001	Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT and solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_NOPR_2_20190626T130444_20190626T131004_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_20190626T163820_20190626T163928_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_20190626T181721_20190626T182055_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_20190626T194943_20190626T195958_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_20190626T225735_20190626T230141_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_20190626T231159_20190626T231331_C001	Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT and solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors: 3		
Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20190626T111724_20190626T111855_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_NOPM_2_20190626T163646_20190626T163733_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_NOPM_2_20190626T204157_20190626T211756_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20Hz)

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

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

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

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

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Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20190626T000435_20190626T001145_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_20190626T001307_20190626T001740_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_20190626T002111_20190626T003619_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_20190626T003956_20190626T004832_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_20190626T005124_20190626T011331_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_20190626T014145_20190626T021535_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_20190626T021908_20190626T022059_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_20190626T022155_20190626T022632_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_20190626T023104_20190626T025903_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_20190626T032817_20190626T033813_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_20190626T034351_20190626T035405_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_20190626T040113_20190626T040706_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_20190626T040925_20190626T043045_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_20190626T045938_20190626T053315_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_20190626T054020_20190626T054537_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_20190626T062308_20190626T062659_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_20190626T063730_20190626T064820_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_20190626T065106_20190626T071229_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_20190626T071905_20190626T072021_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_20190626T072028_20190626T072435_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_20190626T072859_20190626T073940_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_20190626T074127_20190626T074742_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_20190626T074917_20190626T075401_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_20190626T081600_20190626T085115_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_20190626T085406_20190626T085919_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_20190626T085939_20190626T090230_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_20190626T091019_20190626T094042_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_20190626T095427_20190626T101357_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_20190626T101541_20190626T103041_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_20190626T103313_20190626T103817_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_20190626T104744_20190626T105755_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_20190626T110413_20190626T111645_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_20190626T113317_20190626T114926_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_20190626T115119_20190626T115402_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_20190626T115541_20190626T120948_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_20190626T121227_20190626T121727_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_20190626T121752_20190626T121802_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_20190626T122525_20190626T124749_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_20190626T124828_20190626T125739_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_20190626T132704_20190626T134822_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_20190626T135310_20190626T135644_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_20190626T135706_20190626T140027_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_20190626T140339_20190626T143159_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_20190626T150230_20190626T152828_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_20190626T153053_20190626T153558_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_20190626T153605_20190626T153932_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_20190626T154322_20190626T155404_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_20190626T155941_20190626T161659_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_20190626T170241_20190626T170724_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_20190626T171052_20190626T171630_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_20190626T172316_20190626T175626_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_20190626T175726_20190626T175737_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_20190626T180915_20190626T181025_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_20190626T182859_20190626T184610_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_20190626T185015_20190626T185524_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_20190626T190154_20190626T193757_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_20190626T194803_20190626T194943_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_20190626T200515_20190626T202252_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_20190626T204157_20190626T211756_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_20190626T213024_20190626T214838_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_20190626T214941_20190626T220319_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_20190626T221137_20190626T221336_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_20190626T221452_20190626T221838_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_20190626T222048_20190626T223556_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_20190626T223757_20190626T224719_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_20190626T230528_20190626T230650_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

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CS_OFFL_SIR_NOPM_2_20190626T230915_20190626T231159_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_20190626T231331_20190626T232641_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_20190626T234242_20190626T234404_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_20190626T234950_20190626T235739_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_20190626T022059_20190626T022120_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_20190626T035846_20190626T040113_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_20190626T055747_20190626T055750_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_20190626T072435_20190626T072600_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_20190626T131941_20190626T132043_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_20190626T150139_20190626T150230_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_20190626T153558_20190626T153605_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_20190626T014012_20190626T014142_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_20190626T022850_20190626T023104_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_20190626T044841_20190626T045637_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_20190626T094042_20190626T094051_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_20190626T101404_20190626T101541_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_20190626T155644_20190626T155941_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.

L2 Quality Flags (20Hz PLRM)

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

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

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

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Product	Test Failed	Description
	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_20190626T003811_20190626T003956_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.
	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_20190626T013431_20190626T013631_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.
	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.

COUNT_DRE_UPEN_2.20100020102001_2010020_20100001 COUNT_DRE_UPEN_2.201000201020001_20100001 COUNT_DRE_UPEN_2.201000201020001_2010001 COUNT_DRE_UPEN_2.20100020102001_2010001_2010001 COUNT_DRE_UPEN_2.20100020102001_2010001_2010001 COUNT_DRE_UPEN_2.20100020102001_2010001_2010001 COUNT_DRE_UPEN_2.20100020102001_2010001_2010001_2010001_2010001_2010001_2010001_2010001_20100001_20100001_20100001_20100001_20100001_20100000_20100000_20100000_20100000_20100000_20100000_20100000_20100000_20100000_20100000_20100000_20100000_20100000_20100000_200000_200000_200000_200000000	CS_OFFL_SIR_NOPN_2_20190626T031456_20190626T031607_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CCUPUED_INTERCIP_CONSIDERING INTERCIPCONST_	CS_OFFL_SIR_NOPN_2_20190626T035846_20190626T040113_C001		
CCUT_CONT_CONT_CONT_CONT_CONT_CONT_CONT_CON	CS_OFFL_SIR_NOPN_2_20190626T040706_20190626T040833_C001		
CB_DPFL_SIR_UOPU_2_31130321T05451_0105021T05400_0001 Implementation of the second of the	CS_OFFL_SIR_NOPN_2_20190626T045815_20190626T045938_C001		
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COUCH Last Junch Last Resp. 1994. 20198251101200, 2019 COOR Backsteller Guelly Flags, mere exosts. Coord Backsteller Guelly Flags, Mark Marker, Rage, SSHA, SWH and Backsteller Guelly Flags, Marker Rage, GSHA, SWH and Backsteller Guelly Flags, Marker Rage, SSHA, SWH and Backsteller Guelly Flags, Marker Rage, GSHA, SWH and Backsteller Guelly Flags,	CS_OFFL_SIR_NOPN_2_20190626T060755_20190626T060939_C001		
CB_OFTL_SR_NOPK_2_201986281701468_001902400_0001 Implication Control on the Contr	CS_OFFL_SIR_NOPN_2_20190626T062140_20190626T062308_C001		
CS_0FL_SIR_NOPL_2_0100007172002_001 American Structure Coulty Flag. Normality FLML COULT in the Coulty Flag. Norma	CS_OFFL_SIR_NOPN_2_20190626T071456_20190626T071905_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
000 DCCG Backcaster Guilty more records. 010 DCCG Backcaster Guilty more records. 010 DCCG Backcaster Guilty The Open Attract Prog. SNA. SWH and Backcaster Guilty Prog. 011 DCCG Backcaster Guilty The Open Attract Prog. SNA. SWH and Backcaster Guilty Prog. 012 DCCG Backcaster Guilty The Open Attract Prog. SNA. SWH and Backcaster Guilty Prog. 013 DCCG Backcaster Guilty The Open Attract Prog. SNA. SWH and Backcaster Guilty Prog. 014 DCCG Backcaster Guilty The Open Attract Prog. SNA. SWH and Backcaster Guilty Prog. 015 OFFL_SIR_NOPL_2_01900201104000190000110429_CO11 The Open Attract Prog. SNA. SWH and Backcaster Guilty Prog. 015 OFFL_SIR_NOPL_2_0190020110400019000110429_CO11 DCCG Attract Prog. SNA. SWH and Backcaster Guilty Prog. 015 OFFL_SIR_NOPL_2_0190020110400019000110429_CO11 DCCG Attract Prog. SNA. SWH and Backcaster Guilty Prog. 015 OFFL_SIR_NOPL_2_0190020110400019000110429_CO11 DCCG Attract Prog. SNA. SWH and Backcaster Guilty Prog. 016 OFFL_SIR_NOPL_2_0190020110400019000110429_CO11 DCCG Attract Prog. SNA. SWH and Backcaster Guilty Prog. 016 OFFL_SIR_NOPL_2_0190020110400019000110429_CO11 DCCG Attract Prog. SNA. SWH and Backcaster Guilty Prog. 016 OFFL_SIR_NOPL_2_0190020110400019000110429_CO11 DCCG Attract Prog. SNA. SWH and Backcaster Guilty Prog. <	CS_OFFL_SIR_NOPN_2_20190626T072435_20190626T072600_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_NOPN_2_20100020T105220_20100020T090413_0001 and Backscater Custy PLRM, OCCO Animater Range SSH, SVH and Backscater Custy PLRM, OCCO Animater Range SSH, SVH and Backscater Custy PLRM, OCCO Animater Range SSH, SVH and Backscater Custy PLRM, OCCO Animater Range SSH, SVH and Backscater Custy PLRM, OCCO Animater Range SSH, SVH and Backscater Custy PLRM, OCCO Animater Range SSH, SVH and Backscater Custy PLRM, OCCO Animater Range SSH, SVH and Backscater Custy PLRM, OCCO Animater Range SSH, SVH and Backscater Custy PLRM, OCCO Animater Range SSH, SVH and Backscater Custy PLRM, OCCO Animater Range SSH, SVH and Backscater Custy PLRM, OCCO Animater Range Custy P	CS_OFFL_SIR_NOPN_2_20190626T074742_20190626T074806_C001	OCOG Backscatter Quality	
CS_OFFL_SIR_NOPN_2_20190626T09200_20190626T10428_C001 mmd Backscatter Cuality FLRM_OCOS The Occasion Tables Service Tables Se	CS_OFFL_SIR_NOPN_2_20190626T085226_20190626T085406_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_NOPN_2_20190626T10402_01090526T104026_0001 Image and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T105765_00190626T10200_0001 OCOO Attracter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T112009_20190626T112000_CO01 OCOO Attracter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T121007_20190626T121202_C001 OCOO Attracter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T121007_20190626T121227_C001 OCOO Attracter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T121014_20190626T122239_C001 OCOO Attracter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T130049_20190626T13044_C001 OCOO Attracter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T130049_20190626T13044_C001 OCOO Attracter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T130049_20190626T13044_C001 OCOO Attracter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T130049_20190626T1304	CS_OFFL_SIR_NOPN_2_20190626T090230_20190626T090413_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCCOR Description DCCOR Backscatter Duality more records CS_OFFL_SIR_NOPN_2_20100626T112009_20100626T112309_C001 DCCOR Attracter Cocord The OCCOR Backscatter Duality The OCCOR Backscatter Duality Flag Nore records CS_OFFL_SIR_NOPN_2_20100626T1121037_20190626T121227_C001 DCCOR Attracter Cocord The OCCOR Garge and Backscatter Duality Flag Nore records CS_OFFL_SIR_NOPN_2_20100626T121042_20190626T121024_20190626T130049_20190626T130044_C001 DCCOR Attracter The OCCOR Garge and Backscatter Duality Flag Nore records CS_OFFL_SIR_NOPN_2_20190626T130049_20190626T13044_C001 DCCOR Attracter Cocord Nore records Nore records CS_OFFL_SIR_NOPN_2_20190626T13004_20190626T13039_C001 DCCOR Attracter DCCOR Backscatter Nore records Nore records CS_OFFL_SIR_NOPN_2_20190626T132042_20190626T132501_C001 DCCOR Attimeter Range Quality Nore records Nore records CS_OFFL_SIR_NOPN_2_20190626T132042_20190626T132501_C001 DCCOR Attimeter Range Quality Nore records Nore records Nore records Nore records	CS_OFFL_SIR_NOPN_2_20190626T104020_20190626T104236_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCCOR Decksorter Quality more records. CS_OFFL_SIR_NOPN_2_20190626T121037_20190626T12127_C001 OCCOR Backscatter Quality PLRM. OCCOR Backscatter Quality PLRM. CS_OFFL_SIR_NOPN_2_20190626T121914_20190626T122359_C001 The OCCOR Ange and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T121914_20190626T122359_C001 OCCOR Alimeter Range Quality PLRM. OCCOR Backscatter Quality PLRM. CCCOR	CS_OFFL_SIR_NOPN_2_20190626T105755_20190626T105901_C001		
OCCOG Backscatter Quality more records. CS_OFFL_SIR_NOPN_2_20190626T12104_20190626T122359_C001 OCCOG Backscatter Quality PLRM, OCCG Backscatter Quality PLR	CS_OFFL_SIR_NOPN_2_20190626T112009_20190626T112309_C001		
CS_OFFL_SIR_NOPN_2_20190626T130049_20190626T130444_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, CCG Backscatter Quality PLRM, DCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T131004_20190626T131039_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, CCG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T132124_20190626T132501_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T132530_20190626T132542_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_20190626T135039_20190626T135310_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T140027_20190626T145219_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T145266_20190626T145210_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Altimet	CS_OFFL_SIR_NOPN_2_20190626T121037_20190626T121227_C001		
CS_OFFL_SIR_NOPN_2_20190626T131004_20190626T131039_C001 OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T132124_20190626T132501_C001 OCOG Altimeter Range Quality PLRM. OCOG Backscatter Quality PLRM. OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T132530_20190626T132542_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM. OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T135039_20190626T135310_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T140027_20190626T140218_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T145256_20190626T145307_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T145410_20190626T145428_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T145410_20190626T145428_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flag	CS_OFFL_SIR_NOPN_2_20190626T121914_20190626T122359_C001		
CS_OFFL_SIR_NOPN_2_20190626T132124_20190626T132501_C001 OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T132530_20190626T132542_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T132530_20190626T132542_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T135039_20190626T135310_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T140027_20190626T140218_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T140027_20190626T140218_C001 OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T145256_20190626T145307_C001 OCCOG Altimeter Range Quality PLRM, OCCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T145410_20190626T145428_C001 OCCG Altimeter Range Quality PLRM, OCCG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T145410_20190626T145428_C001 OCCG Altimeter Range Quality PLRM, OCCG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T145410_20190626T145428_C001 OCCG Altimeter	CS_OFFL_SIR_NOPN_2_20190626T130049_20190626T130444_C001		
CS_OFFL_SIR_NOPN_2_20190626113214_201906261132542_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_NOPN_2_201906261132530_201906261132542_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_201906261135039_201906261135310_C001 Doean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_201906261140027_201906261140218_C001 Doean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_201906261145256_201906261140218_C001 Doean Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_201906261145256_201906261145307_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality CS_OFFL_SIR_NOPN_2_201906261145256_201906261145307_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality CS_OFFL_SIR_NOPN_2_201906261145410_201906261145428_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality CS_OFFL_SIR_NOPN_2_201906261145410_201906261145428_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality CS_OFFL_SIR_NOPN_2_201906261145410_201906261145428_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality CS_OFFL_SIR_NOPN_2_201906261145410_201906261145428_C001 OCOG Altimeter Range Quality PLRM, OCOG	CS_OFFL_SIR_NOPN_2_20190626T131004_20190626T131039_C001		
CS_OFFL_SIR_NOPN_2_201906201132030_201906261132030_201906261132030_201906261132030_201906261135030_201906261135010_C001 Occaan Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCGG Altimeter Range and Backscatter Quality PLRM, OCCGG Altimeter Range Quality PLRM, OCCGG Backscatter Quality PLRM, OCCGG Backscatter Quality PLRM, OCCGG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T145266_20190626T145307_C001 OCCGG Altimeter Range Quality PLRM, OCCG Backscatter Quality PLRM, OCCG Backscatter Quality PLRM, OCCG Backscatter Quality PLRM, OCCG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T145428_C001 OCCG Altimeter Range Quality PLRM, OCCG Backscatter Quality PLRM, OCCG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T145428_C001 OCCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCGG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCGG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCGG Altimeter Range	CS_OFFL_SIR_NOPN_2_20190626T132124_20190626T132501_C001		
CS_OFFL_SIR_NOPN_2_20190626T135039_20190626T135310_C001 and Backscatter Quality PLRM, OCOG The Ocean Altimeter Range, and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T140027_20190626T140218_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T140027_20190626T140218_C001 Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T145256_20190626T145307_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T145410_20190626T145428_C001 Ocean Altimeter Range Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T145410_20190626T153053_C001 Ocean Altimeter Range ABackscatter Quality Flags have been set for one or more records. OCO	CS_OFFL_SIR_NOPN_2_20190626T132530_20190626T132542_C001		
CS_OFFL_SIR_NOPN_2_20190626T140027_20190626T140218_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM ind the OCGA flimiteter Range and Backscatter Quality PLRM CS_OFFL_SIR_NOPN_2_20190626T145256_20190626T145307_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCGG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T145210_20190626T145428_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_20190626T145410_20190626T145428_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_20190626T152920_20190626T153053_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_NOPN_2_20190626T152920_20190626T153053_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPN_2_20190626T135039_20190626T135310_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_NOPN_2_20190626T145305_20190626T145428_C001 OCOG Backscatter Quality Immore records. CS_OFFL_SIR_NOPN_2_20190626T145410_20190626T145428_C001 OCOG Attimeter 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_20190626T152920_20190626T153053_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality OCOG Altimeter Range Ouality PLRM OCOG Altimeter Range Ouality The OCOG Range and Backscatter Quality	CS_OFFL_SIR_NOPN_2_20190626T140027_20190626T140218_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_NOPN_2_20190626T152920_20190626T153053_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_NOPN_2_20190626T152920_20190626T153053_C001 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. OCOG Altimeter Range Quality PLRM Ocean Altimeter Range Quality PLRM The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPN_2_20190626T145256_20190626T145307_C001		
CS_OFFL_SIR_NOPN_2_20190626T152920_20190626T153053_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM OCOG Altimeter Range Quality PLRM OCOG Altimeter Range Quality PLRM The OCOG Range and Backscatter Quality Flags have been set for one or	CS_OFFL_SIR_NOPN_2_20190626T145410_20190626T145428_C001	OCOG Backscatter Quality	
OCOG Altimeter Range Quality PLRM. The OCOG Range and Backscatter Quality Flags have been set for one or	CS_OFFL_SIR_NOPN_2_20190626T152920_20190626T153053_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_NOPN_2_20190626T153558_20190626T153605_C001 OCOG Backscatter Quality I and Dackscatter Quality I and Dackscatt	CS_OFFL_SIR_NOPN_2_20190626T153558_20190626T153605_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_20190626T164947_20190626T165143_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_20190626T171630_20190626T171741_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_20190626T175755_20190626T175828_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_20190626T180740_20190626T180802_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_20190626T184850_20190626T185015_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_NOPN_2_20190626T200424_20190626T200515_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_20190626T202933_20190626T203221_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_20190626T203427_20190626T203953_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_NOPN_2_20190626T221838_20190626T222019_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_NOPN_2_20190626T224719_20190626T225026_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_20190626T230417_20190626T230528_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_20190626T232641_20190626T233244_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_20190626T234100_20190626T234242_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_20190626T234616_20190626T234950_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_20190626T011331_20190626T011511_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_20190626T022850_20190626T023104_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_20190626T030523_20190626T030638_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_20190626T030734_20190626T030914_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_20190626T035405_20190626T035717_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_20190626T044300_20190626T044442_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_20190626T054651_20190626T054900_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_20190626T062659_20190626T063613_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_20190626T071229_20190626T071456_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_20190626T072600_20190626T072859_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_20190626T080810_20190626T081237_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_20190626T081237_20190626T081600_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_20190626T090413_20190626T091019_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_20190626T104236_20190626T104744_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_20190626T110201_20190626T110413_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_20190626T111855_20190626T112009_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_20190626T112309_20190626T112407_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_20190626T122359_20190626T122525_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_20190626T125739_20190626T130017_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_20190626T131039_20190626T131139_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_20190626T132501_20190626T132530_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_20190626T132615_20190626T132704_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_20190626T154105_20190626T154322_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_20190626T162836_20190626T163027_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_20190626T163733_20190626T163747_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_20190626T163820_20190626T163928_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_20190626T165838_20190626T170241_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_20190626T170724_20190626T170938_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_20190626T181131_20190626T181502_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_20190626T185832_20190626T190154_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_20190626T194943_20190626T195958_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_20190626T202252_20190626T202933_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_20190626T203953_20190626T204157_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_20190626T214838_20190626T214941_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_20190626T220319_20190626T220901_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_20190626T231159_20190626T231331_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_20190626T234520_20190626T234616_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.
12 Quality Flags (1 Hz & 1Hz DI DM)		

L2 Quality Flags (1 Hz & 1Hz PLRM)

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

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

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.

56

143

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.