

QA4EO Daily Report for IOP data:

<u>30/05/2020</u>

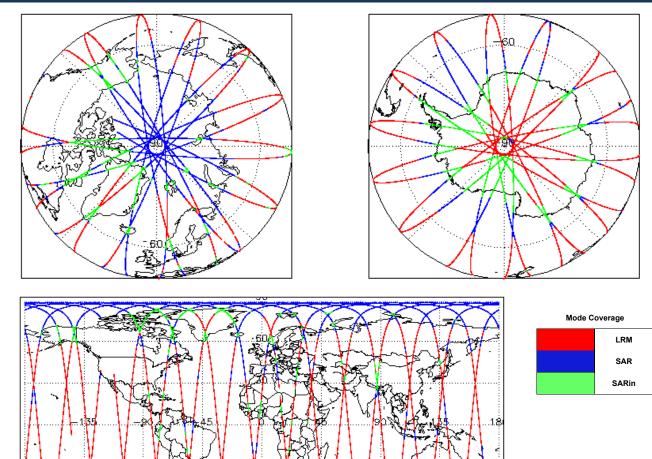
Penart Braduation	02-Jun-2020	Check	L1 & L2	P2P
Report Production:	02-3011-2020	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:	CrucSat Occan Brassager	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Processor used.	CryoSat Ocean Processor	Product Software Check	Nominal	Nominal
Data Used:	Intermediate Ocean Products (IOP) L1B, L2 & P2P Science Data	Product Format Check	Nominal	Nominal
Data Useu.		Product Header Analysis	Nominal	Nominal
		Auxiliary Data File Usage Check	Nominal	Nominal
		Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
		Measurement Confidence Data Check	See Section 4.5, 4.6	Nominal
		Range, SWH & Backscatter Measurement Check	See Section 5.6	See Section 6.6
		Ocean Retracking Quality Check	See Section 5.7	See Section 6.7

1. Overview

Mission / Instrument News 29-May-2020 None 30-May-2020 None

31-May-2020 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

4. IOP 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).
Number of products with errors:
0

30

80

4.2 L1B Product Header Analysis					
For all products, a series of pre-defined checks are performed on the MPH and	d SPH in order to identify any in	consistencies and/or errors raised by the around-segment processing chain			
		ause 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: 0					
4.3 L1B Auxilary Data File Usage Check					
Each product is checked for missing Data Set Descriptors with respect to a pro-	e-determined baseline and also	to check the validity of Auxiliary Data Files is correct.			
Number of products with errors: 0					
4.4 L1B Auxiliary Correction Error Check					
CryoSat L1B data includes a correction error flag for each measurement recor	d. The bit value of this flag indic	cates 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 measurer	nent record. The bit value of thi	s flag indicates any problems when set			
Attitude Correction Missing: This flag is currently set in error for IOPR produ					
Number of products with errors: 0	Ū				
4.6 L1B Waveform Group Data Check					
CryoSat L1B data includes a waveform data flag for each measurement record	-	ates 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: 17					
Product	Test Failed	Description			
CS_OFFL_SIR_IOPM1B_20200530T030822_20200530T031352_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_IOPM1B_20200530T063954_20200530T065300_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_IOPM1B_20200530T115556_20200530T115654_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_IOPM1B_20200530T172539_20200530T174058_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_IOPN1B_20200530T004000_20200530T004207_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_IOPN1B_20200530T020831_20200530T020905_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_IOPN1B_20200530T072142_20200530T072305_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_IOPN1B_20200530T111702_20200530T111829_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_IOPN1B_20200530T133139_20200530T133306_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_IOPN1B_20200530T151223_20200530T151308_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_IOPN1B_20200530T165608_20200530T165704_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_IOPR1B_20200530T070728_20200530T070855_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_IOPR1B_20200530T101520_20200530T101634_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_IOPR1B_20200530T115839_20200530T120635_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_IOPR1B_20200530T143556_20200530T143739_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_IOPR1B_20200530T233145_20200530T233809_C001 CS_OFFL_SIR_IOPR1B_20200530T233834_20200530T234315_C001	Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records			
	Loss of Lond				
5. IC	P Level 2 Data Qu	ality 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 XM	II. beader file (HDR) and a binany product file (DBI)			
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	d SPH in order to identify any in	consistencies 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.					
Number of products with errors: 0					
5.4 L2 Auxiliary Correction Error Check					
For all products, the auxiliary corrections within the Geophysical Group are ch	ecked for the default error value	e (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 Corection, 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. The affected products are not reported in the table below.					
> Sea State Bias & Sea State Bias PLRM: The error value is currently set for	• Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over sea ice, but this is to be expected.				
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.

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

55

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20200530T181409_20200530T182645_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20200530T004000_20200530T004207_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20200530T011018_20200530T011144_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20200530T011706_20200530T012014_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)
CS_OFFL_SIR_IOPN_2_20200530T025000_20200530T025155_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)
CS_OFFL_SIR_IOPN_2_20200530T025605_20200530T025934_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)
CS_OFFL_SIR_IOPN_2_20200530T043042_20200530T043317_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)
CS_OFFL_SIR_IOPN_2_20200530T052549_20200530T052710_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 (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOPN_2_20200530T060609_20200530T061204_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)
CS_OFFL_SIR_IOPN_2_20200530T061919_20200530T062057_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20200530T070515_20200530T070727_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 (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOPN_2_20200530T070855_20200530T071118_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20200530T075827_20200530T080024_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20200530T084428_20200530T084918_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)
CS_OFFL_SIR_IOPN_2_20200530T110844_20200530T111108_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 tidal corrections for one or more records
CS_OFFL_SIR_IOPN_2_20200530T124703_20200530T125015_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)
CS_OFFL_SIR_IOPN_2_20200530T142511_20200530T142900_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)
CS_OFFL_SIR_IOPN_2_20200530T143431_20200530T143555_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)
CS_OFFL_SIR_IOPN_2_20200530T151445_20200530T151807_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 (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOPN_2_20200530T161228_20200530T161409_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)
CS_OFFL_SIR_IOPN_2_20200530T174127_20200530T174309_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20200530T175017_20200530T175231_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)
CS_OFFL_SIR_IOPN_2_20200530T183405_20200530T183618_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 (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOPN_2_20200530T192034_20200530T192223_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20200530T192909_20200530T193356_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)
CS_OFFL_SIR_IOPN_2_20200530T201046_20200530T201442_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)
CS_OFFL_SIR_IOPN_2_20200530T211021_20200530T211213_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)
CS_OFFL_SIR_IOPR_2_20200530T002137_20200530T002757_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)
CS_OFFL_SIR_IOPR_2_20200530T002757_20200530T003059_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)
CS_OFFL_SIR_IOPR_2_20200530T003454_20200530T003506_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPR_2_20200530T015657_20200530T020655_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)

CS_OFFL_SIR_IOPR_2_20200530T020655_20200530T020831_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)
CS_OFFL_SIR_IOPR_2_20200530T033927_20200530T034552_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)
CS_OFFL_SIR_IOPR_2_20200530T034552_20200530T034720_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)
CS_OFFL_SIR_IOPR_2_20200530T051842_20200530T052436_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)
CS_OFFL_SIR_IOPR_2_20200530T052436_20200530T052549_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)
CS_OFFL_SIR_IOPR_2_20200530T070111_20200530T070212_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)
CS_OFFL_SIR_IOPR_2_20200530T070212_20200530T070515_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)
CS_OFFL_SIR_IOPR_2_20200530T083746_20200530T084427_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)
CS_OFFL_SIR_IOPR_2_20200530T101933_20200530T102453_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)
CS_OFFL_SIR_IOPR_2_20200530T114737_20200530T114940_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPR_2_20200530T115839_20200530T120635_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)
CS_OFFL_SIR_IOPR_2_20200530T132956_20200530T133138_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPR_2_20200530T133705_20200530T134609_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)
CS_OFFL_SIR_IOPR_2_20200530T151808_20200530T152455_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)
CS_OFFL_SIR_IOPR_2_20200530T165705_20200530T170246_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)
CS_OFFL_SIR_IOPR_2_20200530T170301_20200530T170426_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPR_2_20200530T172416_20200530T172538_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPR_2_20200530T183619_20200530T183801_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)
CS_OFFL_SIR_IOPR_2_20200530T183801_20200530T184306_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)
CS_OFFL_SIR_IOPR_2_20200530T200736_20200530T201011_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_IOPR_2_20200530T201442_20200530T202002_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)
CS_OFFL_SIR_IOPR_2_20200530T215300_20200530T220251_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)
CS_OFFL_SIR_IOPR_2_20200530T233146_20200530T233809_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)
CS_OFFL_SIR_IOPR_2_20200530T234821_20200530T234926_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

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.

0

100

> 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_IOPM_2_20200529T234405_20200530T001758_C001		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_IOPM_2_20200530T003059_20200530T003238_C001		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_IOPM_2_20200530T003506_20200530T003859_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_IOPM_2_20200530T004247_20200530T004406_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_IOPM_2_20200530T010209_20200530T010452_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_IOPM_2_20200530T010652_20200530T010839_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_IOPM_2_20200530T011144_20200530T011705_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_IOPM_2_20200530T012336_20200530T014512_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_IOPM_2_20200530T014758_20200530T015656_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_IOPM_2_20200530T020932_20200530T021321_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_IOPM_2_20200530T022919_20200530T023407_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_IOPM_2_20200530T023555_20200530T024721_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_IOPM_2_20200530T025155_20200530T025604_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_IOPM_2_20200530T030256_20200530T030812_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_IOPM_2_20200530T030822_20200530T031352_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_IOPM_2_20200530T031615_20200530T033450_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_IOPM_2_20200530T035347_20200530T035916_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_IOPM_2_20200530T040047_20200530T042343_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_IOPM_2_20200530T043817_20200530T043937_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_IOPM_2_20200530T044214_20200530T044853_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_IOPM_2_20200530T045814_20200530T045930_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_IOPM_2_20200530T050411_20200530T051116_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_IOPM_2_20200530T051233_20200530T051434_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_IOPM_2_20200530T052710_20200530T053033_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_IOPM_2_20200530T053251_20200530T053832_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_IOPM_2_20200530T053959_20200530T054815_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_IOPM_2_20200530T055434_20200530T060535_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_IOPM_2_20200530T061204_20200530T061423_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_IOPM_2_20200530T061458_20200530T061919_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_IOPM_2_20200530T062129_20200530T062804_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_IOPM_2_20200530T062920_20200530T063558_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_IOPM_2_20200530T063954_20200530T065300_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_IOPM_2_20200530T071536_20200530T071744_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_IOPM_2_20200530T071914_20200530T072142_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_IOPM_2_20200530T072305_20200530T072618_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_IOPM_2_20200530T073115_20200530T074640_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_IOPM_2_20200530T074952_20200530T075826_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_IOPM_2_20200530T080058_20200530T082326_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_IOPM_2_20200530T084918_20200530T085009_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_IOPM_2_20200530T090246_20200530T092539_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_IOPM_2_20200530T094025_20200530T094329_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_IOPM_2_20200530T094452_20200530T100859_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_IOPM_2_20200530T103815_20200530T110428_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_IOPM_2_20200530T111109_20200530T111702_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_IOPM_2_20200530T111849_20200530T113819_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_IOPM_2_20200530T113821_20200530T114034_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_IOPM_2_20200530T114039_20200530T114313_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_IOPM_2_20200530T120938_20200530T124329_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_IOPM_2_20200530T125015_20200530T125533_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_IOPM_2_20200530T125813_20200530T130012_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_IOPM_2_20200530T130211_20200530T130357_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_IOPM_2_20200530T133306_20200530T133705_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_IOPM_2_20200530T134920_20200530T135818_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_IOPM_2_20200530T140104_20200530T142246_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_IOPM_2_20200530T142901_20200530T143017_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_IOPM_2_20200530T143024_20200530T143430_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_IOPM_2_20200530T143740_20200530T144935_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_IOPM_2_20200530T145122_20200530T145736_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_IOPM_2_20200530T145914_20200530T150357_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_IOPM_2_20200530T152853_20200530T160141_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_IOPM_2_20200530T160404_20200530T160915_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_IOPM_2_20200530T160921_20200530T160928_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_IOPM_2_20200530T160935_20200530T161227_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_IOPM_2_20200530T162014_20200530T165038_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_IOPM_2_20200530T165228_20200530T165509_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_IOPM_2_20200530T171007_20200530T172405_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_IOPM_2_20200530T172539_20200530T174058_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_IOPM_2_20200530T174309_20200530T174812_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_IOPM_2_20200530T174820_20200530T174826_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_IOPM_2_20200530T174852_20200530T175016_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_IOPM_2_20200530T175742_20200530T180750_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_IOPM_2_20200530T181409_20200530T182645_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_IOPM_2_20200530T184307_20200530T190004_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_IOPM_2_20200530T190117_20200530T190400_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_IOPM_2_20200530T190539_20200530T191955_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_IOPM_2_20200530T192224_20200530T192723_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_IOPM_2_20200530T192731_20200530T192742_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_IOPM_2_20200530T193417_20200530T195745_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_IOPM_2_20200530T195903_20200530T200735_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_IOPM_2_20200530T203659_20200530T205852_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_IOPM_2_20200530T210306_20200530T210640_C001	OCOG Altimeter Range Quality, OCOG	The OCOG Altimeter Range and Backscatter Quality Flags have been set
	Backscatter Quality	for one or more records.
CS_OFFL_SIR_IOPM_2_20200530T210702_20200530T211020_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_IOPM_2_20200530T211321_20200530T214146_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_IOPM_2_20200530T221239_20200530T223853_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_IOPM_2_20200530T224049_20200530T224554_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_IOPM_2_20200530T225304_20200530T232654_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_IOPN_2_20200530T082507_20200530T082828_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_IOPN_2_20200530T224554_20200530T224600_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_IOPR_2_20200530T003454_20200530T003506_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_IOPR_2_20200530T023408_20200530T023555_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_IOPR_2_20200530T042344_20200530T043042_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_IOPR_2_20200530T045931_20200530T050410_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_IOPR_2_20200530T051435_20200530T051458_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_IOPR_2_20200530T053242_20200530T053251_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_IOPR_2_20200530T080025_20200530T080058_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_IOPR_2_20200530T101733_20200530T101910_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_IOPR_2_20200530T115258_20200530T115435_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_IOPR_2_20200530T143017_20200530T143024_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_IOPR_2_20200530T151308_20200530T151444_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_IOPR_2_20200530T193357_20200530T193417_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.

100

Number	of	products	with	errors:
	•••	producto		

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.
	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_IOPN_2_20200530T020831_20200530T020905_C001		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.

0.1 0.00 Number Regist Suff PMI In COD Regist and Analy Regist Suff PMI 0.1 PMI_BR_UON_2_SUDUCTIONED_SUDUCTIONED_DUDY PCD Analysis Regist Suff, SMI PCD Analysis Regist Suff, SMI 0.1 PMI_BR_UON_2_SUDUCTIONED_SUDUCTIONED_DUDY PCD Analysis Regist Suff, SMI PCD Analysis Regist Suff, SMI 0.1 PMI_BR_UON_2_SUDUCTIONED_SU	CS_OFFL_SIR_IOPN_2_20200530T021321_20200530T021427_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.
 CB, DHL, DR, DHL, S. 2008020702018. 2008020702018. C001 CB, DHL, DR, DHL, S. 2008020702018. 2008020702018. C001 CD, DHL, DR, DHL, S. 2008020702018. 2008020702018. C001 CD, DHL, DR, DHL, Z. 2008020702018. 2008020702014. C001 CD, DHL, DR, DHL, Z. 2008020702018. 200802070702014. C001 CD, DHL, DR, DHL, Z. 2008020702018. 200802070702014. C001 CD, CD, HL, DR, DHL, Z. 2008020702018. 200802070702014. C001 CD, CD, HL, DR, DHL, Z. 2008020702018. 200802070702014. C001 CD, CD, HL, DR, DHL, Z. 200802070702018. 200802070702014. C001 CD, CD, HL, DR, DHL, Z. 200802070702018. 200802070704010. C001 CD, CD, HL, DR, DHL, Z. 200802070704010. C001 CD, CD, HL, DR, DHL, Z. 200802070704010. C001 CD, CD, HL, DR, DHL, Z. 200802070704020. C001 CD, CD, HL, DR, DHL, Z. 200802070704020. C001 CD, CD, HL, DR, DHL, Z. 200802070704020. C001 CD, CD, CL, DR, DHL, ZL 200802070704020. C001 CD, CD, HL, DR, DHL, ZL 200802070704020. C001 CD, CD, HL, DR, DHL, Z. 20080207107182. C001 CD, CD, HL, DR, DHL, Z. 20080207107182. C001 CD, CD, HL, DR, DHL, Z. 20080207107182. C001 CD, CD, CL, DR, DHL, ZL 20080207107182	CS_OFFL_SIR_IOPN_2_20200530T022556_20200530T022919_C001		
Circle Control Coold Descent Cality Even model. Circle Control <td>CS_OFFL_SIR_IOPN_2_20200530T025000_20200530T025155_C001</td> <td>and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality</td> <td>and the OCOG Altimeter Range and Backscatter Quality Flags have been</td>	CS_OFFL_SIR_IOPN_2_20200530T025000_20200530T025155_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB_OPTL_SRUDOW_2.20000S0TT64002_0000S0TT64007_0001 CODE Allows Range Cubity FLSM The OCODE Range and Budscalter Cubity FLSM to Budscalter C	CS_OFFL_SIR_IOPN_2_20200530T025605_20200530T025934_C001		
CS DFL SR (DFL 2000000118101 2000000118181) 2000000118181 (2001) DOOD Betwarder Galary mere works. CS, DFL SR, DFN 2 2000000118000 2000000105551 (2001) DOOD Betwarder Galary the DOOD Stars and mere works. CS, DFL SR, DFN 2 2000000118000 2000000105551 (2001) DOOD Attributer Range Caulty FLR the DOOD Stars and mere works. CS, DFL SR, DFN 2 2000000118000 2000000101504 (2001) DOOD Attributer Range Caulty FLR the COOD Range and Becksteller Caulty FLRs have been set for are or mere works. CS, DFL SR, DFN 2 20000001191000 20000001191101 (2001) DOOD Attributer Range Caulty FLR the COOD Range and Becksteller Caulty FLRs have been set for are or mere works. CS, DFL SR, DFN 2 200000011911000 20000001191102 (2001) DOOD Attributer Range Caulty FLR the COOD Range and Backsteller Caulty FLRs have been set for are or mere works. CS, DFL SR, DFN 2 200000011911000 2000001191102 (2001) DOOD Attributer Range Caulty FLR the COOD Range and Backsteller Caulty FLRs have been set for are or are mere works. CS, DFL SR, DFN 2 20000001191102 (2000) DOOD Attributer Range Caulty FLR the COOD Range and Backsteller Caulty FLRs have been set for are or are mere works. CS, DFL SR, DFN 2 20000001191020 (2001) DOOD Attributer Range Caulty FLR the COOD Range and Backsteller Caulty FLRs have been set for are or are mere works. CS, DFL SR, DFN 2 20000001191020 (2000) DOOD Range and Backsteller Caulty FLRs have been set for are or are mere works. the COOD Range and Backsteller Caulty FLRs have been set for are or are mere works. <td>CS_OFFL_SIR_IOPN_2_20200530T043042_20200530T043317_C001</td> <td>and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality</td> <td>and the OCOG Altimeter Range and Backscatter Quality Flags have been</td>	CS_OFFL_SIR_IOPN_2_20200530T043042_20200530T043317_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CCC DFL_SR_JOPL_2_ADDISON_DATES DCCC Beschert Guily more records CS_OFFL_SR_JOPL_2_DISONSONTOSISD_202005307105434_C001 DCCC Altereut Reags Quily FLM. The CCCC Reage and Basiscator Quily FLM_ The CCCC Reage and Basi	CS_OFFL_SIR_IOPN_2_20200530T043510_20200530T043817_C001		
CS_OFFL_SR_UPFL_2.20200301100309_202003011191204 0001 COOR Blackscatter Quality FLIMA Respective Renge Quality FLIMA Respec	CS_OFFL_SIR_IOPN_2_20200530T053034_20200530T053241_C001		
CS_OFIL_SR_UPPL_2.202005017107655_2020050171118_C001 COOR Backsoater Quality CS_OFIL_SR_UPPL_2.20200501707655_20200501707118_C001 COOR Backsoater Quality CS_OFIL_SR_UPPL_2.20200501707655_20200501707652_C001 COOR Backsoater Quality CS_OFIL_SR_UPPL_2.20200501707655_20200501707652_C001 COOR Backsoater Quality CS_OFIL_SR_UPPL_2.20200501707655_20200501707652_C001 COOR Backsoater Quality CS_OFIL_SR_UPPL_2.20200501707655_20200501707652_C001 COOR Backsoater Quality CS_OFIL_SR_UPPL_2.20200501707655_20200501706452_C001 COOR Backsoater Quality CS_OFIL_SR_UPPL_2.20200501707655_20200501706452_C001 COOR Backsoater Quality CS_OFIL_SR_UPPL_2.20200501706452_C001 COOR Backsoater Quality CS_OFIL_SR_UPPL_2.20200501706452_C0200501706451_C001 COOR Backsoater Quality CS_OFIL_SR_UPPL_2.20200501706452_C0200501101732_C001 COOR Backsoater Quality CS_OFIL_SR_UPPL_2.20200501101053_C001 COOR Backsoater Quality CS_OFIL_SR_UPPL_2.20200501101053_C001 COOR Backsoater Quality CS_OFIL_SR_UPPL_2.20200501101053_C001 COOR Backsoater Quality CS_OFIL_SR_UPPL_2.202005011101053_C001 COOR Backsoater Quality CS_OFIL_SR_UPPL_2.20200501110103_C001 COOR Backsoater Quality CS_OFIL_SR_UPPL_2.202005011101032_C001 COOR Backsoater Quality CS_OFIL_SR_UPPL_2.202005011120132_C001 COOR Backsoater Quality CS_OFIL_SR_UPPL_2.202005011120132_C001 COOR Backsoater Quality CS_OFIL_SR_UPPL_2.202005011120132_C001 COOR Backsoater Quality CS_OFIL_SR_UPPL_2.2020050	CS_OFFL_SIR_IOPN_2_20200530T055350_20200530T055434_C001		, , , , , , , , , , , , , , , , , , ,
DB_DFH_SR_UPH_2_ADDRESS/10/1182_000000017162_0001 OCOG Backscatter Quality Immore records. CB_OFIL_SR_UPH_2_2020005017071611_2020005017071632_0001 OCOG Altimeter Range SSHA_SWH mit Backscatter Quality The OCOG Range and Backscatter Quality Flags and the OCOG Altimeter Range SSHA_SWH mit Backscatter Quality The OCOG Range and Backscatter Quality Flags and the OCOG Altimeter Range SSHA_SWH mit Backscatter Quality The OCOG Range and Backscatter Quality Flags and the OCOG Altimeter Range SSHA_SWH mit Backscatter Quality Flags The OCOG Range and Backscatter Quality Flags and the OCOG Altimeter Range SSHA_SWH mit Backscatter Quality Flags The OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Range and Backscatter Quality Flags and the one one trace records. CB_OFFL_SR_UPH_2_202005301100103_202005301100103_C001 OCOG Altimeter Range Quality FLAM. DCOG Backscatter Quality FLAM. DC	CS_OFFL_SIR_IOPN_2_20200530T060609_20200530T061204_C001		
CS_DFIL_SIR_UPH_2_80005011/31_20200501124607_2020005011074607_2020005011074607_2020005011074607_2020005011074607_2020005011074607_2020005011074607_2020005011074607_2020005011074607_2020005011074607_2020005011074607_2020005011074607_20200050110406 DOCCOR Balaxicatife Caluity PIAN, DOCOR Berg, SIA, SVM and Backscatter Quality PIags have been set for one or more records. CS_OFFL_SIR_UOPN_2_202005301074607_202005001060024_0001 DOCER Altimeter Range, SSHA, SVM and Backscatter Quality PIags have been and the COCOR Altimeter Range, SSHA, SVM and Backscatter Quality PIags have been and the COCOR Altimeter Range, SSHA, SVM and Backscatter Quality PIags have been and the COCOR Altimeter Range, SSHA, SVM and Backscatter Quality PIags have been and the COCOR Altimeter Range, SSHA, SVM and Backscatter Quality PIags have been and the COCOR Altimeter Range, SSHA, SVM and Backscatter Quality PIags have been and the COCOR Altimeter Range, SSHA, SVM and Backscatter Quality PIags have been and the COCOR Altimeter Range, SSHA, SVM and Backscatter Quality PIags have been and the COCOR Altimeter Range, SSHA, SVM and Backscatter Quality PIags have been and the COCOR Altimeter Range, SSHA, SVM and Backscatter Quality PIags have been and the COCOR Altimeter Range, SSHA, SVM and Backscatter Quality PIags have been and to cocord and the COCOR Altimeter Range, SSHA, SVM and Backscatter Quality PIags have been and to cocord and the COCOR Altimeter Range, SSHA, SVM and Backscatter Quality PIags have been and to cocord and the COCOR Altimeter Range, SSHA, SVM and Backscatter Quality PIags have been and to cocord antimeter Range Quality PIAR. CS_OFFL_SIR_UOPN_2_202005301140745_CO01 OCCOR Altimeter Range Quality PIAR. The OCOOR Range and Backscatter Quality FIags have been set for one or more records. CS_OFFL_SIR_UOPN_2_202005301142613_202005301120	CS_OFFL_SIR_IOPN_2_20200530T070855_20200530T071118_C001		
CB_OFFL_SIR_JOPN_2_2020053017074807_2020053017074822_0001 Intel backstatter Quality Flags Normal Displacement Property Series, S	CS_OFFL_SIR_IOPN_2_20200530T071311_20200530T071432_C001		
CS_OFFL_SIR_JOPN_2_20200530T08022_0200530T080024_C001 and Backscatter Quality PLRM, COO Althered Range and Backscatter Quality PLRM, COO OCOG Althered Range, SSHA, SWH and Backscatter Quality Flags have been et for one or more records. CS_OFFL_SIR_JOPN_2_20200530T08428_20200530T084018_0001 Decam Althered Range, SSHA, SWH and Backscatter Quality PLRM, COO Ocog Althered Range Quality PLRM, COO Backscatter Quality PLRM, COO Ocog Althered Range Quality PLRM, COO Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_JOPN_2_20200530T109900_20200530T101056_C001 OCOG Althered Range Quality PLRM, COO Backscatter Quality PLRM, COO OCOG Althered Range Quality PLRM, COO Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_JOPN_2_20200530T101053_20200530T101752_C001 OCOG Althered Range Quality PLRM, COO Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_JOPN_2_20200530T110753_20200530T110754_C001 OCOG Althered Range Quality PLRM, COO Backscatter Quality PLRM, COO Backscatter Quality PLRM, COO Backscatter Quality PLRM, COO Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_JOPN_2_20200530T120545_20200530T120746_C001 OCOG Althered Range Quality PLRM, COO Backscatter Quality PLRM, COO Backscatter Quality PLRM, COO Backscatter Quality PLRM, COO COG Althered Range Quality PLRM, COO COG Backscatter Quality PLRM,	CS_OFFL_SIR_IOPN_2_20200530T074807_20200530T074952_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_IOPN_2_20200530T08428_20200530T1084918_C001 and Backscatter Quality PLRM, OCCO Interest Range and Backscatter Quality PLRM, PLRM, CCCO CS_OFFL_SIR_IOPN_2_20200530T100000_20200530T101006_C001 OCCOG Atimeter Range Quality PLRM, The OCCOR Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20200530T101005_C001 OCCOG Atimeter Range Quality PLRM, CCCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20200530T101035_20200530T101732_C001 OCCOG Atimeter Range Quality PLRM, CCCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20200530T10713_20200530T110733_C001 OCCOG Atimeter Range Quality PLRM, CCCGG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20200530T120745_C001 OCCGG Atimeter Range Quality PLRM, CCCGG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20200530T120712_0230_2000530T120745_C001 OCCGG Atimeter Range Quality PLRM, CCCG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20200530T120712_0230_2000530T1120745_C001 OCCGG Atimeter Range Quality PLRM, CCCGG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20200530T120713_20200530T1120745_C001 OCCGG Atimeter Range Quality PLRM, CCCGG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20200530T112673_C001 O	CS_OFFL_SIR_IOPN_2_20200530T075827_20200530T080024_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OC_OFFL_SIR_IOPN_2_20200330T101035_20200530T101732_C001 OCOG Backscatter Quality Imore records. CS_OFFL_SIR_IOPN_2_20200330T101035_20200530T101732_C001 OCOG Altimeter Range Quality PLRM, CCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20200530T101035_20200530T110713_C001 OCOG Altimeter Range Quality PLRM, CCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20200530T120536_20200530T120746_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_IOPN_2_20200530T120536_20200530T120938_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_IOPN_2_20200530T120513_20200530T120515_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_IOPN_2_20200530T134203_20200530T13509_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_IOPN_2_20200530T132655_20200530T132005_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or 	CS_OFFL_SIR_IOPN_2_20200530T084428_20200530T084918_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_IOPN_2_20200530110713_202005301110732_C001 OCOG Backscatter Quality Inore records. CS_OFFL_SIR_IOPN_2_202005301110713_202005301110833_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_202005301120636_202005301120748_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter 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_IOPN_2_20200530112613_020005301125015_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, COG G Backscatter Quality PLRM, COG G Backscatter Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_202005301131509_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, COG Backscatter Quality PLRM, COG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_202005301132805_0C011 OCOG Altimeter Range Quality PLRM, COG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_202005301142511_202005301142900_C001 OCOG Altimeter Range Quality PLRM,<	CS_OFFL_SIR_IOPN_2_20200530T100900_20200530T101006_C001		
CS_OFFL_SIR_IOPN_2_20200530T120536_20200530T120746_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_IOPN_2_20200530T120636_20200530T120746_C001 OCOG Atlimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20200530T120613_20200530T120938_C001 OCOG Atlimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20200530T126013_20200530T125015_C001 OCOG Atlimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20200530T125533_20200530T125647_C001 OCOG Atlimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20200530T131429_20200530T131509_C001 OCOG Atlimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20200530T142565_20200530T132905_C001 OCOG Atlimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20200530T142561_20200530T142900_C001 OCOG Atlimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20200530T142561_20200530T142900_C001	CS_OFFL_SIR_IOPN_2_20200530T101635_20200530T101732_C001		
CS_OFFL_SIR_IOPN_2_20200530T120813_20200530T120938_C001 OCOG Backscatter Quality Imore records. CS_OFFL_SIR_IOPN_2_20200530T120813_20200530T120938_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_IOPN_2_20200530T126033_20200530T125015_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_IOPN_2_20200530T125633_20200530T125647_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_IOPN_2_20200530T125633_20200530T125647_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_IOPN_2_20200530T131429_20200530T131509_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_IOPN_2_20200530T142511_20200530T142900_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_IOPN_2_20200530T142511_20200530T143555_C001 OCOG Attimeter Range Quality PLRM. OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or <td>CS_OFFL_SIR_IOPN_2_20200530T110713_20200530T110833_C001</td> <td></td> <td></td>	CS_OFFL_SIR_IOPN_2_20200530T110713_20200530T110833_C001		
CS_OFFL_SIR_IOPN_2_20200530T126013_20200530T125015_C001 OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20200530T125033_20200530T125015_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_IOPN_2_20200530T125033_20200530T125647_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_IOPN_2_20200530T131429_20200530T131509_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_IOPN_2_20200530T131509_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_IOPN_2_20200530T142511_20200530T142900_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_IOPN_2_20200530T142511_20200530T142900_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20200530T142511_20200530T145913_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20200530T145913_C001 <td>CS_OFFL_SIR_IOPN_2_20200530T120636_20200530T120746_C001</td> <td>a</td> <td>, ,</td>	CS_OFFL_SIR_IOPN_2_20200530T120636_20200530T120746_C001	a	, ,
CS_OFFL_SIR_IOPN_2_20200530T12503_20200530T125015_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_IOPN_2_20200530T125533_20200530T125647_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_IOPN_2_20200530T131429_20200530T131509_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_IOPN_2_20200530T131429_20200530T132905_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_IOPN_2_20200530T132855_20200530T132905_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_IOPN_2_20200530T142511_20200530T142900_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_IOPN_2_20200530T143431_20200530T143555_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_IOPN_2_20200530T143431_20200530T143565_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, The OCOG Range and Backscatter Quality Flags	CS_OFFL_SIR_IOPN_2_20200530T120813_20200530T120938_C001		
CS_OFFL_SIR_IOPN_2_20200530T123535_20200530T125647_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_IOPN_2_20200530T131429_20200530T131509_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20200530T132855_20200530T132905_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20200530T142511_20200530T142900_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20200530T142511_20200530T142900_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20200530T143431_20200530T143555_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20200530T143431_20200530T143555_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20200530T145826_20200530T145813_C001 OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPN_2_20200530T124703_20200530T125015_C001		
CS_OFFL_SIR_IOPN_2_20200330T131425_20200330T131305_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_IOPN_2_20200530T132855_20200530T132905_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_IOPN_2_20200530T142511_20200530T142900_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_IOPN_2_20200530T143431_20200530T143555_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_IOPN_2_20200530T143431_20200530T143555_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_IOPN_2_20200530T1445826_20200530T1455913_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_IOPN_2_20200530T125533_20200530T125647_C001		
CS_OFFL_SIR_IOPN_2_20200530T142511_20200530T142900_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_IOPN_2_20200530T142511_20200530T142900_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_IOPN_2_20200530T143431_20200530T143555_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_IOPN_2_20200530T145826_20200530T145913_C001 OCOG Altimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPN_2_20200530T131429_20200530T131509_C001		
CS_OFFL_SIR_IOPN_2_20200530T142511_20200530T142501_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_IOPN_2_20200530T143431_20200530T143555_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_IOPN_2_20200530T145826_20200530T145913_C001 OCOG Altimeter Range Quality PLRM, OCOG 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_IOPN_2_20200530T132855_20200530T132905_C001		
CS_OFFL_SIR_IOPN_2_202005301143431_202005301143555_C001 OCOG Backscatter Quality more records. OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or	CS_OFFL_SIR_IOPN_2_20200530T142511_20200530T142900_C001		
	CS_OFFL_SIR_IOPN_2_20200530T143431_20200530T143555_C001		
	CS_OFFL_SIR_IOPN_2_20200530T145826_20200530T145913_C001		

CS_OFFL_SIR_IOPN_2_20200530T151223_20200530T151308_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 Flags have been
CS_OFFL_SIR_IOPN_2_20200530T151445_20200530T151807_C001	PLRM 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
CS_OFFL_SIR_IOPN_2_20200530T161228_20200530T161409_C001	PLRM 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 Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20200530T165608_20200530T165704_C001	PLRM 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_IOPN_2_20200530T192909_20200530T193356_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_IOPN_2_20200530T201046_20200530T201442_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_IOPN_2_20200530T203120_20200530T203458_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_IOPN_2_20200530T210035_20200530T210306_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_IOPN_2_20200530T221135_20200530T221238_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_IOPN_2_20200530T223916_20200530T224049_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_IOPN_2_20200530T224928_20200530T225100_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_IOPN_2_20200530T232654_20200530T232846_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_IOPN_2_20200530T232911_20200530T233029_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_IOPR_2_20200530T002137_20200530T002757_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_IOPR_2_20200530T002757_20200530T003059_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_IOPR_2_20200530T003238_20200530T003344_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_IOPR_2_20200530T003454_20200530T003506_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_IOPR_2_20200530T010840_20200530T011018_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_IOPR_2_20200530T012014_20200530T012336_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_IOPR_2_20200530T015657_20200530T020655_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_IOPR_2_20200530T021427_20200530T021639_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_IOPR_2_20200530T024722_20200530T025000_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_IOPR_2_20200530T033927_20200530T034552_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_IOPR_2_20200530T034552_20200530T034720_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_IOPR_2_20200530T042344_20200530T043042_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_IOPR_2_20200530T051842_20200530T052436_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_IOPR_2_20200530T052436_20200530T052549_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_IOPR_2_20200530T065316_20200530T065402_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_IOPR_2_20200530T065836_20200530T065858_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_IOPR_2_20200530T065928_20200530T070011_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_IOPR_2_20200530T070111_20200530T070212_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_IOPR_2_20200530T070212_20200530T070515_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_IOPR_2_20200530T070728_20200530T070855_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_IOPR_2_20200530T071119_20200530T071230_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_IOPR_2_20200530T083102_20200530T083134_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_IOPR_2_20200530T083704_20200530T083746_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_IOPR_2_20200530T083746_20200530T084427_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_IOPR_2_20200530T085010_20200530T085156_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_IOPR_2_20200530T092539_20200530T092741_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_IOPR_2_20200530T101520_20200530T101634_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_IOPR_2_20200530T101933_20200530T102453_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_IOPR_2_20200530T110428_20200530T110712_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_IOPR_2_20200530T115258_20200530T115435_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_IOPR_2_20200530T115439_20200530T115510_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_IOPR_2_20200530T115839_20200530T120635_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_IOPR_2_20200530T124330_20200530T124703_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_IOPR_2_20200530T132435_20200530T132801_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_IOPR_2_20200530T132956_20200530T133138_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_IOPR_2_20200530T133705_20200530T134609_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_IOPR_2_20200530T142247_20200530T142511_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.

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.

Number of products with errors:

5.8 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 over land a	and sea ice, but this is to be expected. The	number of products with this error flag set is given below.		
Number of products with errors: 64				
L2 Retracking Flags (20Hz, PLRM)				
CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz PLRM m		• •		
Ocean Retracking Quality Flag (PLRM): This flag is currently set for products IO Number of products with errors: 150	PR and IOPN products over sea ice, but tr	is is to be expected.		
6. <mark>IOP</mark> L2 F	Pole-to-Pole Data Quality	Check		
6.1 P2P Product Format Check				
Each product, retrieved and unpacked from the science server, is checked to ensu	re it consists of both an XML header file (.	HDR) and a NetCDF product file (.nc).		
Number of products with errors: 0				
6.2 P2P Product Header Analysis				
For all products, a series of pre-defined checks are performed on the MPH and SF	PH in order to identify any inconsistencies a	ind/or errors raised by the ground-segment processing chain.		
Number of products with errors: 0				
6.3 P2P Auxiliary Data File Usage Check				
Each product is checked for missing Data Set Descriptors with respect to a pre-de	termined baseline and also to check the va	lidity of Auxiliary Data Files is correct.		
Number of products with errors: 0				
6.4 P2P Auxiliary Correction Error Check				
For all products, the auxiliary corrections within the Geophysical Group are checke	ed for the default error value (32767).			
Currently, there are some common auxiliary correction errors raised in the L	evel 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				
> ECMWF Meteo Corrections: Currently the following corrections are not comput Correction and the U-Wind and V-Wind components of the ECMWF model wind ve not reported in the table below.				
> Sea State Bias & Sea State Bias PLRM: The error value is currently set for pro	ducts over sea ice, but this is to be expect	ed.		
> Mean Sea Surface: The error value is currently set for products over land and s	ea ice, but this is to be expected.			
> Mean Dynamic Topography: The error value is currently set for products over	and and sea ice, but this is to be expected			
> Altimetric Wind Speed Error: The error value is currently set for products over Number of another with errors.	land and sea ice, but this is to be expected	1.		
Number of products with errors: 30				
Product	Test Failed Mean Sea Surface (1), Mean Dynamic	Description There is an error with the MSS height (solution 1) and the Mean Dynamic		
CS_OFFL_SIR_IOP_220200529T233702_20200530T002638_C001	Topography (1)	Topography height (solution 1)		
CS_OFFL_SIR_IOP_220200530T002638_20200530T011615_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)		
CS_OFFL_SIR_IOP_220200530T011615_20200530T020552_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)		
CS_OFFL_SIR_IOP_220200530T020552_20200530T025529_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)		
CS_OFFL_SIR_IOP_220200530T025529_20200530T034505_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)		
CS_OFFL_SIR_IOP_220200530T034505_20200530T043442_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)		
CS_OFFL_SIR_IOP_220200530T043442_20200530T052419_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)		
CS_OFFL_SIR_IOP_2_20200530T052419_20200530T061356_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 (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records		
CS_OFFL_SIR_IOP_220200530T061356_20200530T070332_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)		
CS_OFFL_SIR_IOP_2_20200530T070332_20200530T075309_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 (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records		
CS_OFFL_SIR_IOP_220200530T075309_20200530T084246_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)		
CS_OFFL_SIR_IOP_2_20200530T084246_20200530T093223_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)		
CS_OFFL_SIR_IOP_220200530T093223_20200530T102200_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)		

CS_OFFL_SIR_IOP_220200530T102200_20200530T111137_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 tidal corrections for one or more records
CS_OFFL_SIR_IOP_220200530T111137_20200530T120113_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)
CS_OFFL_SIR_IOP_2_20200530T120113_20200530T125050_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)
CS_OFFL_SIR_IOP_220200530T125050_20200530T134027_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)
CS_OFFL_SIR_IOP_2_20200530T134027_20200530T143004_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)
CS_OFFL_SIR_IOP_220200530T143004_20200530T151940_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 (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOP_220200530T151940_20200530T160917_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)
CS_OFFL_SIR_IOP_220200530T160917_20200530T165854_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)
CS_OFFL_SIR_IOP_220200530T165854_20200530T174831_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)
CS_OFFL_SIR_IOP_220200530T174831_20200530T183808_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 (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOP_2_20200530T183808_20200530T192744_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)
CS_OFFL_SIR_IOP_220200530T192744_20200530T201721_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES) Non-Fauilibrium Long Period	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOP_220200530T201721_20200530T210658_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)
CS_OFFL_SIR_IOP_220200530T210658_20200530T215635_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)
CS_OFFL_SIR_IOP_220200530T215635_20200530T224612_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)
CS_OFFL_SIR_IOP_220200530T224612_20200530T233548_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)

6.5 P2P Measurement Confidence Data Check

CryoSat P2P 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:

6.6 P2P Measurement Quality Flag Check

P2P Quality Flags (20Hz)

CryoSat P2P data includes Quality Flags for each 20 Hz, 20 Hz PLRM and 1 Hz measurement record, copied from the corresponding L2 products.

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Since the P2P Quality Flags are copied directly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected.

Number of products with errors:

P2P Quality Flags (20Hz PLRM)

Since the P2P Quality Flags are copied directly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected.

Number of products with errors:

P2P Quality Flags (1 Hz & 1Hz PLRM)

Since the P2P Quality Flags are copied directly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected.

Number of products with errors:

6.8 P2P Ocean Retracking Quality Check

P2P Retracking Flags (20Hz)

Cryosat P2P data includes an ocean retracking quality flag (field 19) for each 20-Hz 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 IOPR and IOPN products over sea ice, but this is to be expected.

Number of products with errors:

P2P Retracking Flags 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 IOPR and IOPN products over sea ice, but this is to be expected.

Number of products with errors:
