

QA4EO Daily Report for IOP data:

<u>26/12/2022</u>

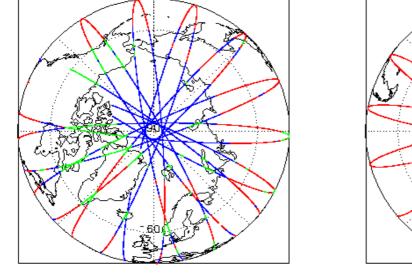
IDEAS-QA4E0

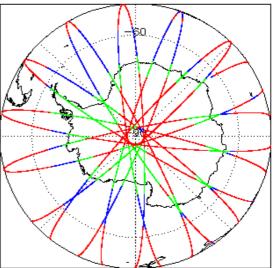
1. Overview				
Report Production:	03-Jan-2023	Check	L1 & L2	P2P
neport i roduction.	00 0411 2020	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:	Crave Cet Occare Dresser	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Processor Usea:	CryoSat Ocean Processor	Product Software Check	Nominal	Nominal
Intermediate Ocean Products (IOP)	Product Format Check	Nominal	Nominal	
Data Used:	L1B, L2 & P2P Science Data	Product Header Analysis	Nominal	Nominal
		Auxiliary Data File Usage Check	Nominal	Nominal
We would	love to hear from you!	Auxiliary Correction Error Check	See Section 5.4	See Section 6.4
Please let us know your feedback about these daily		Measurement Confidence Data Check	See Section 4.5, 4.6	Nominal
quality reports: What do you like/ dislike? What quality information do you need? Send your feedback to cs2_qc_team@telespazio.com		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
		QCC Error/ Warning Check	See Section 7.1 and 7.2	See Section 7.1 and 7.2

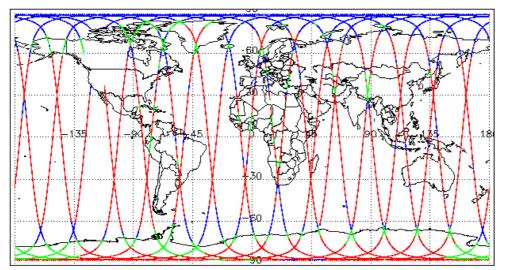
	Mission / Instrument News			
25-Dec-2022		None		
26-Dec-2022		None		
	27-Dec-2022	Nothing planned		

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3. Instrument Configuration

SIRAL instrument(s) in use:

SIRAL - A

0

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

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 NetCDF product file (.nc).

	ysis
For all products, a series of pre-defined cheo	cks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.
Number of products with errors:	0
4.3 L1B Auxilary Data File Usa	age Check
Each product is checked for missing Data S	et 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
4.4 L1B Auxiliary Correction I	Error Check
CryoSat L1B data includes a correction error	r flag for each measurement record. The bit value of this flag indicates any problems when set.
Number of products with errors:	0
4.5 L1B Measurement Confide	ence Data Check
CryoSat L1B data includes a measurement of	confidence flag for each measurement record. The bit value of this flag indicates any problems when set.
> Attitude Correction Missing: This flag is update.	currently set in error for IOPR products due to a configuration issue. The attitude correction is actually not missing. This will be resolved in the next SW
apadio.	

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

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Loss of Echo Flag: This flag is currently set for products over land, but this is to be expected. The table provides the full list of products flagged.

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOPM1B_20221226T003018_20221226T005006_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPM1B_20221226T124052_20221226T125912_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221226T020112_20221226T020321_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221226T065147_20221226T065359_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221226T072725_20221226T073322_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221226T100546_20221226T101037_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221226T150820_20221226T150855_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221226T163348_20221226T163433_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221226T181224_20221226T181359_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPN1B_20221226T195128_20221226T195429_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221226T024129_20221226T024454_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_IOPR1B_20221226T182820_20221226T183015_C001	Loss of Echo	The tracking echo is missing for one or more records

5. IOP Level 2 Data Quality Check

5.1 L2 Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a NetCDF product file (.nc). Number of products with errors: 0

5.2 L2 Product Header Analysis

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

 Number of products with errors:
 0

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

5.4 L2 Auxiliary Correction Error Check

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

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

> ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric 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 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.

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOPN_2_20221226T005149_20221226T005313_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221226T010128_20221226T010246_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records

CS_OFFL_SIR_IOPN_2_20221226T020112_20221226T020321_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221226T023132_20221226T023258_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221226T023820_20221226T024129_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_20221226T033432_20221226T033549_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221226T041115_20221226T041254_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221226T041720_20221226T042049_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_20221226T055158_20221226T055433_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_20221226T064707_20221226T064828_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_20221226T072725_20221226T073323_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_20221226T074038_20221226T074216_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221226T082632_20221226T082845_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_20221226T090927_20221226T091112_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221226T091946_20221226T092142_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221226T100546_20221226T101037_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_20221226T114031_20221226T114054_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221226T123007_20221226T123229_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_20221226T123824_20221226T123951_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221226T140825_20221226T141137_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_20221226T155554_20221226T155719_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_20221226T173355_20221226T173536_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_20221226T190252_20221226T190434_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221226T191143_20221226T191357_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_20221226T195531_20221226T195712_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOPN_2_20221226T195712_20221226T195745_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_20221226T204202_20221226T204350_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPN_2_20221226T205036_20221226T205525_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_20221226T213213_20221226T213609_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_20221226T223147_20221226T223340_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_20221226T000318_20221226T001219_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_20221226T014250_20221226T014841_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_20221226T014841_20221226T015157_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_20221226T020039_20221226T020112_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPR_2_20221226T032100_20221226T032810_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_20221226T032810_20221226T032945_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_20221226T050035_20221226T050709_C001 CS_OFFL_SIR_IOPR_2_20221226T050709_20221226T050837_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)
C5_OFFL_SIR_IOFR_2_202212261050709_202212261050837_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_20221226T064007_20221226T064554_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_20221226T064554_20221226T064706_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_20221226T082224_20221226T082334_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_20221226T082334_20221226T082632_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_20221226T095910_20221226T100546_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_20221226T114054_20221226T114612_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_20221226T130857_20221226T131101_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_IOPR_2_20221226T132000_20221226T132757_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_20221226T145821_20221226T150729_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_20221226T163931_20221226T164654_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_20221226T181830_20221226T182412_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_20221226T182427_20221226T182551_C001	Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_IOPR_2_20221226T195745_20221226T200433_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_20221226T212853_20221226T213151_C001	Total Geocentric Ocean Tide (GOT)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOPR_2_20221226T213609_20221226T214130_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_20221226T231429_20221226T232421_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)

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.

0

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20 Hz)

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.

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

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20221226T002059_20221226T002318_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_20221226T002324_20221226T003014_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_20221226T003018_20221226T005006_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_20221226T005313_20221226T005752_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_20221226T010618_20221226T013913_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_20221226T022331_20221226T022606_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_20221226T023258_20221226T023820_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_20221226T024454_20221226T030627_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_20221226T030913_20221226T031850_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_20221226T033032_20221226T033432_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_20221226T035033_20221226T035522_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_20221226T035710_20221226T040734_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_20221226T041254_20221226T041720_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_20221226T042403_20221226T042932_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_20221226T042941_20221226T043510_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_20221226T043550_20221226T045609_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_20221226T051538_20221226T052031_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_20221226T052202_20221226T054459_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_20221226T055434_20221226T055626_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_20221226T055940_20221226T060052_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_20221226T060323_20221226T060944_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_20221226T061015_20221226T062048_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_20221226T062528_20221226T063238_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_20221226T064828_20221226T065146_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_20221226T065400_20221226T065949_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_20221226T070116_20221226T070932_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_20221226T071146_20221226T072650_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_20221226T073323_20221226T073541_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_20221226T073617_20221226T074037_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_20221226T074249_20221226T074922_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_20221226T075041_20221226T075717_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_20221226T075857_20221226T081011_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_20221226T083653_20221226T083925_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_20221226T084032_20221226T084300_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_20221226T084423_20221226T084728_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_20221226T084902_20221226T084903_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_20221226T085244_20221226T090803_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_20221226T091113_20221226T091945_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_20221226T092215_20221226T094446_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_20221226T102252_20221226T104653_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_20221226T105024_20221226T105215_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_20221226T105311_20221226T105750_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_20221226T110131_20221226T110428_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_20221226T110613_20221226T112553_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_20221226T112813_20221226T113020_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_20221226T115935_20221226T122452_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_20221226T122954_20221226T123007_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_20221226T123230_20221226T123823_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_20221226T124052_20221226T125912_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

Description Description <thdescription< th=""> <thdescription< th=""></thdescription<></thdescription<>	CS_OFFL_SIR_IOPM_2_20221226T130148_20221226T130857_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
CCURTERINGTON CONCLASSION Bit best manual in orige manual in orige manual CCURTERINGTON CONCLASSION Addres Altered Rugs SSIA (SVI) The Conce Altered Rugs SSIA (SVI) The Conce Altered Rugs SSIA (SVI) CCURTERINGTON CONCLASSION Addres Altered Rugs SSIA (SVI) The Conce Altered Rugs SSIA (SVI) The Conce Altered Rugs SSIA (SVI) CCURTERINGTON CONCLASSION Addres Altered Rugs SSIA (SVI) The Conce Altered Rugs SSIA (SVI) The Conce Altered Rugs SSIA (SVI) CCURTERINGTON CONCLASSION Addres Rugs SSIA (SVI) The Conce Altered Rugs SSIA (SVI) The Conce Altered Rugs SSIA (SVI) CCURTERINGTON CONCLASSION Addres Rugs SSIA (SVI) The Conce Altered Rugs SSIA (SVI) The Conce Altered Rugs SSIA (SVI) CCURTERINGTON CONCLASSION Addres Rugs SSIA (SVI) The Conce Altered Rug	CS_OFFL_SIR_IOPM_2_20221226T133101_20221226T140444_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OH, DHE, JHE, LEWIZ 20021102114251 (2011) and Backetter Cubit Program Section 2017 (2011) per the COOO Advisor Program Section 2017 (2011) OL, DHE, JHE, LEWIZ 20021122114414 (2011) Coop Advisor Program Section 2017 (2011) The Observation 2017 (2011) OL, DHE, JHE, LEWIZ 2012114114451, 2021122114411 (2011) Coop Advisor Program Section 2017 (2011) The Observation 2017 (2011) OL, DHE, JHE, LEWIZ 201211411 (2011) Coop Advisor Program Section 2017 (2011) The Observation 2017 (2011) OL, DHE, JHE, LEWIZ 20121221112111411 (2011) Coop Advisor Program Section 2017 (2011) The Observation 2017 (2011) OL OHE, JHE, LEWIZ 201212211221122112211221122112211221122	CS_OFFL_SIR_IOPM_2_20221226T141138_20221226T141655_C001		
Dig. OFFL_SIRI_OFFL_2.2221228114452_2021228114452_2021228114455_2081 and http://dis.action.org/lines/action.org/l	CS_OFFL_SIR_IOPM_2_20221226T142333_20221226T142511_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB: 0FH_SR_0PM_2_R021281114641_0021281114078_0001 press Attract Raps, SH, NYH CB: 0FH_SR_0PM_2_R021281114018_0021281114018_0001 Deam Attract Raps, SH, NYH The Ocean Attract Raps, SH, NYH and Backstone Output Hash hash bein CB: 0FH_SR_0PM_2_R021281114018_0021281114018_0001 Deam Attract Raps, SH, NYH The Ocean Attract Raps, SH, NYH and Backstone Output Hash hash bein CB: 0FH_SR_0PM_2_R021281114018_0001 Deam Attract Raps, SH, NYH and Backstone Output Hash hash bein CB: 0FH_SR_0PM_2_R021281114018_0001 Deam Attract Raps, SH, NYH and Backstone Output Hash hash bein CB: 0FH_SR_0PM_2_R021281114018_0001 DOOD Attract Raps, SH, NYH and Backstone Output Hash hash bein CB: 0FH_SR_0PM_2_R021281114018_0001 DOOD Attract Raps, CH, NYH and Backstone Output Hash hash bein CB: 0FH_SR_0PM_2_R021281114018_0001 DOOD Attract Raps, CH, NYH and Backstone Output Hash hash bein CB: 0FH_SR_0PM_2_R021281114018_0001 DOOD Attract Raps, CH, NYH and Backstone Output Hash hash bein at three Courses Attract Raps, SH, NYH and Backstone Output Hash hash bein at three Courses Attract Raps, SH, NYH and Backstone Output Hash hash bein at three Courses Attract Raps, SH, NYH and Backstone Output Hash hash bein at three Courses Attract Raps, SH, NYH and Backstone Output Hash hash bein at three Courses Attract Raps, SH, NYH and Backstone Output Hash hash bein at three Courses Attract Raps, SH, NYH and Backstone Output Hash hash bein at three Courses Attract Raps, SH, NYH and Backstone Output Hash hash hash bein at three Courses Attract Raps, SH, NYH and Backstone Output Hash hash bein at three Co	CS_OFFL_SIR_IOPM_2_20221226T144427_20221226T144555_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB_0FFL_SR_UPH_2_10221226110318_0221226110318_0221226110318_02001 In at Basecant Cubiny, OCG6 and the OCCA Attracter Resp. S014 at Dissecant Cubiny Flags their base CB_0FFL_SR_UPH_2_10221226110318_0221226110318_02001 Deam Attracter Resp. S014, S011 The OCCA Attracter Resp. S014 at Dissecant Cubiny Flags their base CB_0FFL_SR_UPH_2_10221226110318_02001 Deam Attracter Resp. S014, S011 The OCCA Attracter Resp. S014 at Dissecant Cubiny Flags their base CB_0FFL_SR_UPH_2_10221226110318_02001 DCCG Attracter Resp. S014, S011 The OCCA Attracter Resp. S014, S011 CB_0FFL_SR_UPH_2_10221226110318_02001 DCCG Attracter Resp. S014, S011 The OCCA Attracter Resp. S014, S011 CB_0FFL_SR_UPH_2_10221226110318_02001 Deam Attracter Resp. S014, S011 The OCCA Attracter Resp. S014, S011 CB_0FFL_SR_UPH_2_10221226110318_02001 Deam Attracter Resp. S014, S011 The OCCA Attracter Resp. S014, S011 CB_0FFL_SR_UPH_2_10221226110327_0221226110328_02001 Deam Attracter Resp. S014, S011 The OCCA Attracter Resp. S014, S011 CB_0FFL_SR_UPH_2_10221226110327_0221226110328_02001 Deam Attracter Resp. S014, S011 The OCCA Attracter Resp. S014, S011 CB_0FFL_SR_UPH_2_10221226110327_0221226110326_0201 Deam Attracter Resp. S014, S011 The OCCA Attracter Resp. S014, S011 CB_0FFL_SR_UPH_2_10221226110327_0221226110326_0201 Deam Attracter Resp. S014, S011 The OCCA Attracter Resp. S014, S011 CB_0FFL_SR_UPH_2_10221226110312_0221226110312_0221226110312_0221226110312_022122	CS_OFFL_SIR_IOPM_2_20221226T145431_20221226T145706_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
03_0FFL_BR_UPM_2_3221221123112328112328112321123211232	CS_OFFL_SIR_IOPM_2_20221226T151036_20221226T151940_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Displane Displane terms more more more in the construction of the con	CS_OFFL_SIR_IOPM_2_20221226T152226_20221226T154411_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Op. LPH_SML_DPH_ZML21281118014_20221281118004_2021 Badscatter Quality for orie or more records CS_OFFL_SIR_IOPM_Z_202212811180045_20221281118109_0001 Coan Attinieter Range and Badscatter Quality The OCOAn Attinieter Range and Badscatter Quality Flags have been attine or more records CS_OFFL_SIR_IOPM_Z_2022128211181045_2022128211181095_20201 Coan Attinieter Range and Badscatter Quality Flags have been attine or more records CS_OFFL_SIR_IOPM_Z_2022128211181045_2022128311181095_0001 Coan Attineter Range and Badscatter Quality Flags have been attin or or nore records <	CS_OFFL_SIR_IOPM_2_20221226T155025_20221226T155140_C001		
CS_OFFL_SIR_JOPM_2_8021226116055_00211226116165_0001 and Backscate Cuality, COOG Andhere Range Backscate Cuality, COOG Adhere Range Backscate Cuality, COOG Adhere Range AND Backscate Cuality, Flags and Backscater Cuality Flags have been Athere Range and Backscater Cuality, Flags have been Athere Range and Backscater Cuality, Flags have been ather COOG Adhere Range, SSHA, SWH and Backscatter Cuality, Flags and Backscater Cuality, Flags have been set for one rince racods CS_OFFL_SIR_JOPM_2_8021226116250_001 Ocean Athere Range Claim, Cool Adhere Range and Backscatter Cuality, Flags have been set for one rince racods CS_OFFL_SIR_JOPM_2_8021226116250_001 Ocean Athere Range Claim, Cool Athere Range and Backscatter Cuality, Flags have been set for one rince racods CS_OFFL_SIR_JOPM_2_8021226116250_0021226116250_0001 Ocean Athere Range Claim, Cool Athere Range and Backscatter Cuality, Flags have been set for one rince racods CS_OFFL_SIR_JOPM_2_8021226116250_00212261172300_0001 Ocean Athere Range Claim, Cool Athere Range and Backscatter Cuality, Flags have been set for one rince racods CS_OFFL_SIR_JOPM_2_8021226116250_00212261173300_00212261173305_0001 OCCG Athere Range Claim, Cool Athere Range SHA, SWH and Backscatter Cuality Flags have been set for one rince racods CS_OFFL_SIR_JOPM_2_80221226117330_00212261173305_0001 OCCG Athere Range Claim, Cool Athere Range SHA, SWH and Backscatter Cuality Flags have been set for one rince racods CS_OFFL_SIR_JOPM_2_802212261164100_0001 <	CS_OFFL_SIR_IOPM_2_20221226T155148_20221226T155554_C001		
CS_OFFL_SIR_JOPM_2_20221226T161247_20221226T161395_0001 and Backscatter Qualy Flags have been Atthemet Range Cualary, OCCG CS_OFFL_SIR_JOPM_2_20221226T162038_20221226T162520_0001 Code Attimeter Range Cualary, OCCG The OCCA Attimeter Range, SSHA, SWH and Backscatter Qualary Flags have been set for one or more records CS_OFFL_SIR_JOPM_2_20221226T164958_20221226T164738_0001 COCCA Attimeter Range Cualary, OCCG The OCCA Attimeter Range and Backscatter Qualary Flags have been set for one or more records CS_OFFL_SIR_JOPM_2_20221226T164958_20221226T176230_0001 COCCA Attimeter Range Cualary, OCCG The OCCA Attimeter Range, SSHA, SWH and Backscatter Qualary Flags have been set for one or more records CS_OFFL_SIR_JOPM_2_20221226T176330_20221226T172308_0001 COCCA Attimeter Range Cualary, OCCG The OCCG Attimeter Range, SSHA, SWH and Backscatter Qualary Flags have been set for one or more records CS_OFFL_SIR_JOPM_2_20221226T172530_20221226T172308_0001 COCCA Attimeter Range Qualary, OCCG The OCCG Attimeter Range, SSHA, SWH and Backscatter Qualary Flags have been set for one or more records CS_OFFL_SIR_JOPM_2_20221226T172530_20221226T173040_0001 COCCA Attimeter Range Qualary, OCCG The OCCG Attimeter Range and Backscatter Qualary Flags have been set for one or more records CS_OFFL_SIR_JOPM_2_20221226T174130_20221226T1741310_20221226T1741310_20221226T1741310_20221226T1741310_20221226T1741310_20221226T1741310_20221226T1741310_20221226T1741310_20221226T194022_0001 The OCCGA Attimeter Range, SSHA, SWH and Backscatter Qualary Flags have been set for one or more re	CS_OFFL_SIR_IOPM_2_20221226T160045_20221226T161059_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221226T16238_20221226T16236_2021 and Backscatter Quality.COCO Altimeter Range and Backscatter Quality.Coco Backscatter Quality.Coco Backscatter Quality.Coco Backscatter Quality.Coco Backscatter Quality.Flags have been set for one or more records the OCOO Altimeter Range and Backscatter Quality.Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221226T164785_20221226T172309_C001 OCOO Altimeter Range SISH, SWH and Backscatter Quality.Coco Altimeter Range and Backscatter Quality.Coco Altimeter Range and Backscatter Quality.Flags have been set for one or more records the OCOO Altimeter Range and Backscatter Quality.Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221226T172500_20221226T173006_C001 OCOO Altimeter Range Quality.Coco Backscatter Quality.Coco Altimeter Range and Backscatter Quality.Flags have been set for one or more records the OCOO Altimeter Range and Backscatter Quality.Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221226T173100_20221226T173105_C001 OCOO Altimeter Range SIA, SWH and Backscatter Quality.Coco Backscatter Quality.Coco Altimeter Range and Backscatter Quality.Flags have been set for one or more records the OCOO Altimeter Range SIA, SWH and Backscatter Quality.Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221226T174139_20221226T191214_C001 Ocean Altimeter Range SIA, SWH and Backscatter Quality.Coco Altimeter Range and Backscatter Quality.Flags have been at the OCOO Altimeter Range.SIA, SWH and Backscatter Quality.Flags have been at the OCOO Altimeter Range.SIA, SWH and Backscatter Quality.Flags have been at the or one or more records CS_OFFL_SIR_IOPM_2_20221226T191042_202	CS_OFFL_SIR_IOPM_2_20221226T161247_20221226T161859_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
DS_DFT_SIR_JOPM_2_202212261184/39_202212261184/39_20201 Backscatter Quality for one or more records CS_OFFL_SIR_JOPM_2_202212261164953_202212261172309_0001 CS_OFFL_SIR_JOPM_2_202212261172309_0001 CS_OFFL_SIR_JOPM_2_202212261172309_0001 CS_OFFL_SIR_JOPM_2_202212261172309_0001 CS_OFFL_SIR_JOPM_2_202212261172309_0001 CS_OFFL_SIR_JOPM_2_202212261172309_0001 CS_OFFL_SIR_JOPM_2_202212261172309_0001 CS_OFFL_SIR_JOPM_2_202212261172309_0001 CS_OFFL_SIR_JOPM_2_202212261172309_0001 CS_OFFL_SIR_JOPM_2_202212261173190_202212261173040_0001 CS_OFFL_SIR_JOPM_2_202212261173190_202212261173040_0001 CS_OFFL_SIR_JOPM_2_202212261173190_202212261181214_0001 CS_OFFL_SIR_JOPM_2_202212261174139_02212261181214_0001 CS_OFFL_SIR_JOPM_2_202212261181214_0001 CS_OFFL_SIR_JOPM_2_20221226118133_202212261181214_0001 CS_OFFL_SIR_JOPM_2_202212261180133_202212261181214_0001 CS_OFFL_SIR_JOPM_2_202212261180133_202212261184002_0001 The OCGR Altimeter Range SSHA_SWH and Backscatter Quality Flags have been at an eart or one or more records CS_OFFL_SIR_JOPM_2_202212261180133_202212261184002_0001 CS_OFFL_SIR_JOPM_2_20221226118403_20221226119025_0001 CS_OFFL_SIR_JOPM_2_202212261180133_20221226119025_0001 The OCGR Altimeter Range SSHA_SWH and Backscatter Quality Flags have been at for one or more records CS_OFFL_SIR_JOPM_2_202212261190034_20221226119039_0001 COGO Altimeter Range SSHA_SWH and Backscatter Quality Flags have been as to ro one or more records CS_OFFL_SIR_JOPM_2_202212261190132_20221226119039_0001	CS_OFFL_SIR_IOPM_2_20221226T162038_20221226T162520_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221226T164583_20221226T172309_C001 and Backscatter Quality CCCQ Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221226T172530_20221226T173300_C001 CCCQ Altimeter Range Quality, CCCQ Backscatter Quality The CCCQ Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221226T173100_20221226T173355_C001 CCCQ Altimeter Range Quality, CCCQ Backscatter Quality The CCCQ Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221226T174139_20221226T181214_C001 CCSA Altimeter Range, SSHA, SWH and Backscatter Quality, CCCQ Altimeter Range and Backscatter Quality, Flags have been at for one or more records CS_OFFL_SIR_IOPM_2_20221226T181313_20221226T184002_C001 CCSAA Altimeter Range, SSHA, SWH and Backscatter Quality, CCCQ Altimeter Range and Backscatter Quality, Flags have been at for one or more records CS_OFFL_SIR_IOPM_2_20221226T184703_20221226T190225_C001 CCSAA Altimeter Range, SSHA, SWH Altimeter Range and Backscatter Quality, Flags have been at for one or more records CS_OFFL_SIR_IOPM_2_20221226T190434_20221226T190336_C001 CCCQA Altimeter Range Quality, CCCQ Backscatter Quality, Flags have been set for one or more records<	CS_OFFL_SIR_IOPM_2_20221226T164735_20221226T164736_C001		
CS_OFFL_SIR_JOPM_2_20221226117330_20221226119355_0001 Backscatter Quality for one or more records GS_OFFL_SIR_JOPM_2_202212261173100_202212261173355_0001 OCOQ Altimeter Range Quality, OCOQ Backscatter Quality The OCean Altimeter Range, SSHA, SWH and Backscatter Quality The OCean Altimeter Range, SSHA, SWH and Backscatter Quality, DOCOQ Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOQ Altimeter Range, SSHA, SWH and Backscatter Quality, OCOQ Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOQ Altimeter Range, SSHA, SWH and Backscatter Quality, COOQ Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOQ Altimeter Range, SSHA, SWH and Backscatter Quality, COOQ Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOQ Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOQ Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOQ Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOQ Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOQ Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOQ Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOQ Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOQ Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOQ Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOQ Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOQ Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOQ Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_JOPM_2_20221226T190434_20221226T190434_20221226T190434_20221226T190434_20221226T190434_20221226T190434_20221226T190434_20221226T190434_20221226T190434_20221226T190434_20221226T190434_20221226T190434_2	CS_OFFL_SIR_IOPM_2_20221226T164953_20221226T172309_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221226T174139_20221226T181214_C001 Backscatter Quality for one or more records CS_OFFL_SIR_IOPM_2_20221226T181313_20221226T181214_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, COCG Altimeter Range and Backscatter Quality, COCG Altimeter Range and Backscatter Quality COCG Altimeter Range and Backscatter Quality, COCG Altimeter Range and Backscatter Quality, COCG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality COCG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality COCG Altimeter Range and Backscatter Quality Flags have been and the OCCG Altimeter Range and Backscatter Quality Flags have been and the OCCG Altimeter Range and Backscatter Quality Flags have been and the OCCG Altimeter Range and Backscatter Quality Flags have been and the OCCG Altimeter Range and Backscatter Quality Flags have been and the OCCG Altimeter Range and Backscatter Quality Flags have been and the OCCG Altimeter Range and Backscatter Quality Flags have been and the OCCG Altimeter Range and Backscatter Quality Flags have been and the OCCG Altimeter Range and Backscatter Quality Flags have been and the OCCG Altimeter Range and Backscatter Quality Flags have been and the OCCG Altimeter Range and Backscatter Quality Flags and the OCCG Altimeter Range and Backscatter Quality Flags have been altimeter Range and Backscatter Quality COCG Altimeter Range and Backscatter Quality Flags have been and the ACCGG Altimeter Range and Backscatter Quality Flags have been altimeter Range and Backscatter Quality SCOG Altimeter Range and Backscatter Quality Flags and the OCCG Altimeter Range and Backscatter Quality Flags and the OCCG Altimeter Ran	CS_OFFL_SIR_IOPM_2_20221226T172530_20221226T173040_C001	3	
CS_OFFL_SIR_IOPM_2_20221226T174139_20221226T181214_C001 and Backscatter Quality.OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_IOPM_2_20221226T18133_20221226T184602_C001 Decan Altimeter Range, SSHA, SWH CS_OFFL_SIR_IOPM_2_20221226T184703_20221226T184602_C001 Decan Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been CS_OFFL_SIR_IOPM_2_20221226T184703_20221226T190225_C001 Decan Altimeter Range, SSHA, SWH The OCean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been CS_OFFL_SIR_IOPM_2_20221226T190434_20221226T190388_C001 DCCGA Altimeter Range Quality, OCOG The OCGA Altimeter Range and Backscatter Quality Flags have been set CS_OFFL_SIR_IOPM_2_20221226T191017_20221226T191142_C001 DCCGA Altimeter Range Quality, OCOG The OCGG Altimeter Range and Backscatter Quality Flags have been set CS_OFFL_SIR_IOPM_2_20221226T191017_20221226T19216_C001 DCCGA Altimeter Range Quality, OCOG The OCGG Altimeter Range and Backscatter Quality Flags have been set CS_OFFL_SIR_IOPM_2_20221226T191010_20221226T192916_C001 DCCGA Altimeter Range, SSHA, SWH The OCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set CS_OFFL_SIR_IOPM_2_20221226T191353_20221226T194754_C001 DCCGA Altimeter Range, SSHA, SWH The OCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been altimeter Range and Backscatter Quality Flags have been altimeter Range and Backscatter Quality Flags have been altimeter Range	CS_OFFL_SIR_IOPM_2_20221226T173100_20221226T173355_C001		
CS_OFFL_SIR_IOPM_2_20221226T183133_20221226T184602_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221226T190434_20221226T190938_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_20221226T191017_20221226T191038_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_20221226T191017_20221226T191142_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221226T19101_20221226T192916_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221226T193535_20221226T194754_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221226T201329_20221226T202228_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been altimeter Range and Backscatter Quality, Flags have been set for	CS_OFFL_SIR_IOPM_2_20221226T174139_20221226T181214_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221226T184703_20221226T190225_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality File OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221226T190434_20221226T190938_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_20221226T191017_20221226T191142_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_20221226T191017_20221226T192916_C001 Ocoga Altimeter Range, SSHA, SWH and Backscatter Quality, COOG Altimeter Range and Backscatter Quality, Flags have been altimeter Range and Backscatter Quality, Flags have been and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, Flags have been and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221226T201329_20221226T202228_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221226T	CS_OFFL_SIR_IOPM_2_20221226T183133_20221226T184602_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221226T1900434_20221226T190938_0001 Backscatter Quality for one or more records CS_OFFL_SIR_IOPM_2_20221226T191017_20221226T191142_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_20221226T191017_20221226T192916_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221226T193535_20221226T192916_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221226T193535_20221226T194754_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG A	CS_OFFL_SIR_IOPM_2_20221226T184703_20221226T190225_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221226T191017_20221226T191142_C001 Backscatter Quality for one or more records CS_OFFL_SIR_IOPM_2_20221226T191910_20221226T192916_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 hard the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags hard Backscatter Quality, OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_IOPM_2_20221226T193535_20221226T194754_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 hard the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags hard backscatter Quality, OCOG Altimeter Range and Backscatter Quality, COG Altimeter Range and Backscatter Quality Flags hard backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags hard backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags hard backscatter Quality Flags hard backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_IOPM_2_20221226T190434_20221226T190938_C001		
CS_OFFL_SIR_IOPM_2_20221226T191910_20221226T192916_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality set for one or more records CS_OFFL_SIR_IOPM_2_20221226T193535_20221226T194754_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 to ro e or more records CS_OFFL_SIR_IOPM_2_20221226T201329_20221226T202228_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 to ro e or more records CS_OFFL_SIR_IOPM_2_20221226T202243_20221226T202252_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags been set for one or more records	CS_OFFL_SIR_IOPM_2_20221226T191017_20221226T191142_C001		
CS_OFFL_SIR_IOPM_2_20221226T193535_20221226T194754_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221226T201329_20221226T202228_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 CS_OFFL_SIR_IOPM_2_20221226T202243_20221226T202252_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG CS_OFFL_SIR_IOPM_2_20221226T202243_20221226T202525_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_IOPM_2_20221226T191910_20221226T192916_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221226T201329_20221226T202228_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPM_2_20221226T202243_20221226T2022525_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality, OCOG	CS_OFFL_SIR_IOPM_2_20221226T193535_20221226T194754_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20221226T202243_20221226T202525_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_IOPM_2_20221226T201329_20221226T202228_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_IOPM_2_20221226T202243_20221226T202525_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_IOPM_2_20221226T202705_20221226T204118_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_20221226T204350_20221226T204850_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_20221226T205548_20221226T211913_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_20221226T212035_20221226T212853_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_20221226T215821_20221226T222035_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_20221226T222830_20221226T223146_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_20221226T223453_20221226T230319_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_20221226T233444_20221226T235946_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_20221226T021702_20221226T021807_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_20221226T072725_20221226T073323_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_20221226T073541_20221226T073617_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_20221226T112714_20221226T112813_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_20221226T022821_20221226T023131_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_20221226T050847_20221226T051248_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_20221226T063615_20221226T063628_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_20221226T142135_20221226T142333_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_20221226T164706_20221226T164718_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (20 Hz PLRM)

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

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

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

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Product	Test Failed	Description
CS_OFFL_SIR_IOPN_2_20221226T001219_20221226T001251_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_20221226T014118_20221226T014250_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_20221226T020007_20221226T020038_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_20221226T021702_20221226T021807_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_20221226T023132_20221226T023258_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_20221226T033432_20221226T033549_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_20221226T034710_20221226T035033_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_20221226T041115_20221226T041254_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_20221226T041720_20221226T042049_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_20221226T055158_20221226T055433_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_20221226T055627_20221226T055939_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_20221226T072725_20221226T073323_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_20221226T074038_20221226T074216_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_20221226T082632_20221226T082845_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_20221226T083018_20221226T083238_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_20221226T084912_20221226T085243_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_20221226T090927_20221226T091112_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_20221226T094627_20221226T094933_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_20221226T100546_20221226T101037_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_20221226T104902_20221226T105023_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_20221226T105215_20221226T105311_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_20221226T112714_20221226T112813_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_20221226T113754_20221226T113855_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_20221226T123824_20221226T123951_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_20221226T131935_20221226T132000_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_20221226T143555_20221226T143640_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_20221226T143913_20221226T144058_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_20221226T154707_20221226T155025_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_20221226T161859_20221226T161942_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_20221226T161956_20221226T162038_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_20221226T163348_20221226T163433_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_20221226T173355_20221226T173536_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_20221226T192916_20221226T193022_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_20221226T193302_20221226T193322_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_20221226T195128_20221226T195429_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_20221226T195531_20221226T195712_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_20221226T205036_20221226T205525_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_20221226T213213_20221226T213609_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_20221226T214130_20221226T214205_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_20221226T215244_20221226T215624_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_20221226T000318_20221226T001219_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_20221226T001252_20221226T001509_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_20221226T010246_20221226T010618_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_20221226T014250_20221226T014841_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_20221226T014841_20221226T015157_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_20221226T015406_20221226T015526_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_20221226T020039_20221226T020112_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_20221226T024129_20221226T024454_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_20221226T031851_20221226T032052_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_20221226T032100_20221226T032810_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_20221226T034004_20221226T034007_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_20221226T040734_20221226T041114_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_20221226T045701_20221226T045829_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_20221226T050035_20221226T050709_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_20221226T050847_20221226T051248_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_20221226T054500_20221226T055158_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_20221226T064007_20221226T064554_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_20221226T070932_20221226T071146_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_20221226T072651_20221226T072725_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_20221226T081442_20221226T081527_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_20221226T081946_20221226T082130_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_20221226T082845_20221226T083018_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_20221226T083238_20221226T083357_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_20221226T083618_20221226T083653_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_20221226T094446_20221226T094627_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_20221226T095910_20221226T100546_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_20221226T104653_20221226T104902_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_20221226T110007_20221226T110131_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_20221226T114054_20221226T114612_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_20221226T130857_20221226T131101_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_20221226T131420_20221226T131617_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_20221226T132000_20221226T132757_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_20221226T140444_20221226T140825_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_20221226T142511_20221226T142730_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_20221226T145136_20221226T145303_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_20221226T145821_20221226T150729_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_20221226T154412_20221226T154706_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_20221226T163433_20221226T163612_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_20221226T163931_20221226T164654_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_20221226T181830_20221226T182412_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_20221226T182820_20221226T183015_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_20221226T191357_20221226T191910_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_20221226T193322_20221226T193535_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_20221226T194911_20221226T195128_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 20221226T195429 20221226T195531 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_20221226T195745_20221226T200433_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_20221226T212853_20221226T213151_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_20221226T213609_20221226T214130_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_20221226T214206_20221226T214307_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_20221226T215625_20221226T215703_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_20221226T231429_20221226T232421_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 & 1 Hz PLRM)		
Currently, there are several common flags raised in the Level 2 products	which are summarised below	
> 1 Hz and 1 Hz Ocean SSHA Quality Flags: These flags are currently set fr		d. The number of products with this error flag set is given below
Number of products with errors: 194	or products over sea ice, which is to be expecte	d. The number of products with this end hag set is given below.
5.8 L2 Ocean Retracking Quality Check		
L2 Retracking Flags (20 Hz)		
CryoSat L2 data includes an ocean retracking quality flag for each 20 Hz mean	surement record. The bit value of this flag indica	tes any problems when set.
> Ocean Retracking Quality Flag: This flag is currently set for products over	land and sea ice, but this is to be expected. Th	e number of products with this error flag set is given below.
Number of products with errors: 64		
L2 Retracking Flags (20 Hz PLRM)		
CryoSat L2 data includes an ocean retracking quality flag for each 20 Hz PLRI	M measurement record. The bit value of this fla	g indicates any problems when set.
> Ocean Retracking Quality Flag (PLRM): This flag is currently set for produ	ucts IOPR and IOPN products over 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: 150		
	2 Pole-to-Pole Data Quality	
	2 Pole-to-Pole Data Quality	
6. IOP L 6.1 P2P Product Format Check		Check
6. IOP L		Check
6. IOP L 6.1 P2P Product Format Check Each product, retrieved and unpacked from the science server, is checked to Number of products with errors: 0		Check
6. IOP L 6.1 P2P Product Format Check Each product, retrieved and unpacked from the science server, is checked to		Check
6. IOP L 6.1 P2P Product Format Check Each product, retrieved and unpacked from the science server, is checked to Number of products with errors: 0	ensure it consists of both an XML header file (.I	Check IDR) and a NetCDF product file (.nc).
6. IOP Li 6.1 P2P Product Format Check Each product, retrieved and unpacked from the science server, is checked to Number of products with errors: 0 6.2 P2P Product Header Analysis	ensure it consists of both an XML header file (.I	Check IDR) and a NetCDF product file (.nc).
6. IOP L 6.1 P2P Product Format Check Each product, retrieved and unpacked from the science server, is checked to 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	ensure it consists of both an XML header file (.I	Check IDR) and a NetCDF product file (.nc).
6. IOP Li 6.1 P2P Product Format Check Each product, retrieved and unpacked from the science server, is checked to 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 an Number of products with errors: 0 6.3 P2P Auxiliary Data File Usage Check	ensure it consists of both an XML header file (.l d SPH in order to identify any inconsistencies a	Check IDR) and a NetCDF product file (.nc). nd/or errors raised by the ground-segment processing chain.
6. IOP L: 6.1 P2P Product Format Check Each product, retrieved and unpacked from the science server, is checked to 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 an Number of products with errors: 0	ensure it consists of both an XML header file (.l d SPH in order to identify any inconsistencies a	Check IDR) and a NetCDF product file (.nc). nd/or errors raised by the ground-segment processing chain.
6. IOP L: 6.1 P2P Product Format Check Each product, retrieved and unpacked from the science server, is checked to 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 an 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 product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is checked for missing Data Set Descriptors with respect to a product is product is checked for missing Data Set Descriptor is product is	ensure it consists of both an XML header file (.l d SPH in order to identify any inconsistencies a	Check IDR) and a NetCDF product file (.nc). nd/or errors raised by the ground-segment processing chain.
6. IOP L 6.1 P2P Product Format Check Each product, retrieved and unpacked from the science server, is checked to 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 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 product of products with errors: 0 6.4 P2P Auxiliary Correction Error Check	ensure it consists of both an XML header file (.l d SPH in order to identify any inconsistencies a re-determined baseline and also to check the va	Check IDR) and a NetCDF product file (.nc). nd/or errors raised by the ground-segment processing chain.
6. IOP L: 6.1 P2P Product Format Check Each product, retrieved and unpacked from the science server, is checked to 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 an 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 pr Number of products with errors: 0	ensure it consists of both an XML header file (.i d SPH in order to identify any inconsistencies a e-determined baseline and also to check the va ecked for the default error value (32767). he Level 2 products which are expected due	Check IDR) and a NetCDF product file (.nc). nd/or errors raised by the ground-segment processing chain.
6. IOP L 6.1 P2P Product Format Check Each product, retrieved and unpacked from the science server, is checked to 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 an 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 pr Number of products with errors: 0 6.4 P2P Auxiliary Correction Error Check For all products, the auxiliary corrections within the Geophysical Group are check	ensure it consists of both an XML header file (.i d SPH in order to identify any inconsistencies a re-determined baseline and also to check the va ecked for the default error value (32767). he Level 2 products which are expected due rom this check. mputed over CONTINENTAL ICE: Dry Tropospi	Check IDR) and a NetCDF product file (.nc). Ind/or errors raised by the ground-segment processing chain. Idity of Auxiliary Data Files is correct. to surface type. All common flags are summarised in the list below, meric Correction, Wet Tropospheric Correction, Inverse Barometric
6. IOP L: 6.1 P2P Product Format Check Each product, retrieved and unpacked from the science server, is checked to 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 an 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 pr Number of products with errors: 0 6.4 P2P Auxiliary Correction Error Check For all products, the auxiliary corrections within the Geophysical Group are che Currently, there are some common auxiliary correction errors raised in t followed by a table highlighting any additional issues which may arise for > ECMWF Meteo Corrections: Currently the following corrections are not cor Correction and the U-Wind and V-Wind components of the ECMWF model with	ensure it consists of both an XML header file (.i d SPH in order to identify any inconsistencies a e-determined baseline and also to check the va ecked for the default error value (32767). he Level 2 products which are expected due rom this check. mputed over CONTINENTAL ICE: Dry Tropospi nd vector. This is a known anomaly (CRYO-CO	Check IDR) and a NetCDF product file (.nc). Ind/or errors raised by the ground-segment processing chain. Idity of Auxiliary Data Files is correct. Ito surface type. All common flags are summarised in the list below, heric Corection, Wet Tropospheric Correction, Inverse Barometric 2-3) and will be resolved in a future IPF update. The affected products are
6. IOP L 6.1 P2P Product Format Check Each product, retrieved and unpacked from the science server, is checked to 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 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 Number of products with errors: 0 6.4 P2P Auxiliary Correction Error Check For all products, the auxiliary corrections within the Geophysical Group are check For all products, the auxiliary corrections within the Geophysical Group are check For all products, the auxiliary corrections within the Geophysical Group are check For all products, the auxiliary corrections within the Geophysical Group are check For all products, the auxiliary corrections within the Geophysical Group are check Set CMWF Meteo Corrections: Currently the following corrections are not correction and the U-Wind and V-Wind components of the ECMWF model wit not reported in the table below.	ensure it consists of both an XML header file (.i d SPH in order to identify any inconsistencies a e-determined baseline and also to check the va ecked for the default error value (32767). he Level 2 products which are expected due rom this check. mputed over CONTINENTAL ICE: Dry Tropospi nd vector. This is a known anomaly (CRYO-CO r products over sea ice, but this is to be expected	Check IDR) and a NetCDF product file (.nc). Ind/or errors raised by the ground-segment processing chain. Idity of Auxiliary Data Files is correct. Ito surface type. All common flags are summarised in the list below, heric Corection, Wet Tropospheric Correction, Inverse Barometric 2-3) and will be resolved in a future IPF update. The affected products are
6. IOP L 6.1 P2P Product Format Check Each product, retrieved and unpacked from the science server, is checked to 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 an 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 product of products with errors: 0 6.4 P2P Auxiliary Correction Error Check For all products, the auxiliary corrections within the Geophysical Group are check Currently, there are some common auxiliary correction errors raised in the followed by a table highlighting any additional issues which may arise for > ECMWF Meteo Corrections: Currently the following corrections are not cor Correction and the U-Wind and V-Wind components of the ECMWF model wint not reported in the table below. > Sea State Bias & Sea State Bias PLRM: The error value is currently set for	ensure it consists of both an XML header file (.i d SPH in order to identify any inconsistencies a e-determined baseline and also to check the va ecked for the default error value (32767). he Level 2 products which are expected due rom this check. mputed over CONTINENTAL ICE: Dry Tropospi nd vector. This is a known anomaly (CRYO-CO r products over sea ice, but this is to be expected.	Check IDR) and a NetCDF product file (.nc). Idd/or errors raised by the ground-segment processing chain. Idd/or errors ra
6. IOP L: 6.1 P2P Product Format Check Each product, retrieved and unpacked from the science server, is checked to 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 an 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 Number of products with errors: 0 6.4 P2P Auxiliary Correction Error Check For all products, the auxiliary corrections within the Geophysical Group are che Currently, there are some common auxiliary correction errors raised in the followed by a table highlighting any additional issues which may arise for > ECMWF Meteo Corrections: Currently the following corrections are not cor Correction and the U-Wind and V-Wind components of the ECMWF model win to reported in the table below. > Sea State Bias & Sea State Bias PLRM: The error value is currently set for > Mean Sea Surface: The error value is currently set for products over land a	ensure it consists of both an XML header file (.i d SPH in order to identify any inconsistencies a e-determined baseline and also to check the va ecked for the default error value (32767). he Level 2 products which are expected due rom this check. mputed over CONTINENTAL ICE: Dry Tropospi nd vector. This is a known anomaly (CRYO-CO r products over sea ice, but this is to be expected. over land and sea ice, but this is to be expected.	Check IDR) and a NetCDF product file (.nc). Idd/or errors raised by the ground-segment processing chain. Idd/or errors ra
6. IOP L 6.1 P2P Product Format Check Each product, retrieved and unpacked from the science server, is checked to 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 an 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 pr Number of products with errors: 0 6.4 P2P Auxiliary Correction Error Check For all products, the auxiliary corrections within the Geophysical Group are che Currently, there are some common auxiliary correction errors raised in to followed by a table highlighting any additional issues which may arise for > ECMWF Meteo Corrections: Currently the following corrections are not cor Correction and the U-Wind and V-Wind components of the ECMWF model winton treported in the table below. > Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over land at a blean Dynamic Topography: The error value is currently set for products over land at a blean Dynamic Topography: The error value is currently set for products over land at blean Dynamic Topography: The error value is currently set for products over land at blean Dynamic Topography: The error value is currently set for products over land at blean Dynamic Topography: The error value is currently set for products over land at blean Dynamic Topography: The error value is currently set for products o	ensure it consists of both an XML header file (.i d SPH in order to identify any inconsistencies a e-determined baseline and also to check the va ecked for the default error value (32767). he Level 2 products which are expected due rom this check. mputed over CONTINENTAL ICE: Dry Tropospi nd vector. This is a known anomaly (CRYO-CO r products over sea ice, but this is to be expected. over land and sea ice, but this is to be expected.	Check IDR) and a NetCDF product file (.nc). Idd/or errors raised by the ground-segment processing chain. Idd/or errors ra

Product	Test Failed	Description
CS_OFFL_SIR_IOP_2_20221225T231852_20221226T000829_C002	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_20221226T000829_20221226T005807_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_20221226T005807_20221226T014743_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_220221226T014743_20221226T023722_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_20221226T023722_20221226T032658_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_220221226T032658_20221226T041637_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_20221226T041637_20221226T050613_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_20221226T050613_20221226T055551_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_20221226T055551_20221226T064527_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_20221226T064527_20221226T073506_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_20221226T073506_20221226T082442_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_20221226T082442_20221226T091421_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_20221226T091421_20221226T100357_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_20221226T100357_20221226T105335_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_20221226T105335_20221226T114312_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_20221226T114312_20221226T123250_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_2_20221226T123250_20221226T132226_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_20221226T132226_20221226T141205_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_20221226T141205_20221226T150141_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_20221226T150141_20221226T155119_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_20221226T155119_20221226T164056_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_20221226T164056_20221226T173034_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_20221226T173034_20221226T182010_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_20221226T182010_20221226T190949_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_IOP_2_20221226T190949_20221226T195925_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_20221226T195925_20221226T204903_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_20221226T204903_20221226T213840_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_20221226T213840_20221226T222818_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_20221226T222818_20221226T231754_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_20221226T231754_20221227T000733_C002	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:
0

6.6 P2P Measurement Quality Flag Check

P2P Quality Flags (20 Hz)

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

29

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. The number of P2P products affected is given below.

Since the P2P Quality Flags are copied directly from below.	om the L2 Quality Flags, please see Section 5.6 for the full list of products affected. The number of P2P products affected is given
Number of products with errors:	29
P2P Quality Flags (1 Hz & 1 Hz PLRM)	
Since the P2P Quality Flags are copied directly fra below.	om the L2 Quality Flags, please see Section 5.6 for the number of L2 products affected. The number of P2P products affected is given
Number of products with errors:	30
6.8 P2P Ocean Retracking Quality C	Check
P2P Retracking Flags (20 Hz)	
Cryosat P2P data includes an ocean retracking qualit	y 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:	29
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:	30

7. IOP QCC Report Analysis

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

Product type	No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
SIR_IOPM1B	201	201	6	195	0
SIR_IOPR1B	162	106	2	104	0
SIR_IOPN1B	106	162	0	161	1
SIR_IOPM_2	201	201	143	58	0
SIR_IOPR_2	162	106	43	63	0
SIR_IOPN_2	106	162	79	81	2
SIR_IOP_P2P	29	29	0	27	2

7.1 QCC Errors

Number of QCC	reports with er	rors:	15								
					Total number	of occurrences	s of each error				
Product Type R	LOBOPNCDF	RL	RL	RLOBOPNCDF	RL	RL	ISSOPOBHRNO	-	-	-	-
SIR_IOPR1B	0	0	0	0	0	0	1				
SIR_IOPR_2	2	1	2	2	1	2	0				
Product Type R	LOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_IOP_2_	2	2	2	2							

Test Description Key:		
Abbreviation	Test name	Details
RLOBOPNCDF	RangeLatitudeOrBlankOP_7NetCDF	Latitude should be between -90E7 and 90E7
RL	RangeLatitude_6	Latitude should be between -90E6 and 90E6
RL	RangeLatitude_7	Latitude should be between -90E7 and 90E7
RLOBOPNCDF	RangeLongitudeOrBlankOP_7NetCDF	Longitude should be between -180E7 and 180E7
RL	RangeLongitude_6	Longitude should be between -180E6 and 180E6
RL	RangeLongitude_7	Longitude should be between -180E7 and 180E7
RRTAISSOPOBHRNCD	RangeRecordTAIStartStopOPOrBlankHRNetC	The time value should be between the the record TAI start/stop times of the MPH with a margin of 0.5 s - NetCDF

7.2 QCC Warnings

				ber of occurrences of			
Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMN
SIR_IOPM1B	195	0	0	0	0	0	0
SIR_IOPM_2	0	0	46	41	0	43	0
SIR_IOPN1B	102	0	0	0	0	0	0
SIR_IOPN_2	0	0	12	29	3	26	28
SIR_IOPR1B	154	0	0	0	0	0	0
SIR_IOPR_2	0	2	27	46	2	20	15
					_		
Product Type	RBSZOPOEPNCDF	RNELPOTONCDF	RPEPOPFDLRMNCDF	RPEPOPFDPLRMSARN	CERPEPOPFDPLRMSINNCE	RPEPOPFDSARNCDF	RPEPOPFDSINNCDF
SIR_IOPM1B	0	0	0	0	0	0	0
SIR_IOPM_2	37	1	31	0	0	0	0
SIR_IOPN1B	0	0	0	0	0	0	0
SIR_IOPN_2	18	0	0	0	23	0	29
SIR_IOPR1B	0	0	0	0	0	0	0
SIR_IOPR_2	5	0	0	44	0	54	0
	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
Product Type		AFEFOFSARNODF	AFEFOFSININCDF	noobconcor	n 33 TAOF DIVEDE		ROSHAUNCUP
SIR_IOPM1B	0	0	0	0	0	0	0
SIR_IOPM_2	26	0	0	6	30	0	3
SIR_IOPN1B	0	0	0	0	0	0	0
SIR_IOPN_2	0	0	25	16	45	50	28
	0	0	0	0	0	0	0
SIR_IOPR1B		41	0	2	62	34	15
SIR_IOPR1B SIR_IOPR_2	0	41	8				
SIR_IOPR_2			°	SPHRTASCNSNCDE	SOOHHIEHD	SCSTODHENCDE	SCSTODNCDF
SIR_IOPR_2 Product Type	RSWHOEPFDNCDF		°	SPHRTASCNSNCDF	SOOHHIFHD		
SIR_IOPR_2 Product Type SIR_IOPM1B	RSWHOEPFDNCDF		°	SPHRTASCNSNCDF	SOOHHIFHD 0	SCSTODHRNCDF	SCSTODNCDF
SIR_IOPR_2 Product Type SIR_IOPM1B SIR_IOPM_2	RSWHOEPFDNCDF 0 43		°	SPHRTASCNSNCDF 1 1 0	SOOHHIFHD 0 0	0 0	SCSTODNCDF 0 0
SIR_IOPR_2 Product Type SIR_IOPM1B SIR_IOPM_2 SIR_IOPN1B	RSWHOEPFDNCDF 0 43 0	RSWHOEPFDPLRMNCDF 0 0 0	RSWHOEPNCDF 0 6 0	SPHRTASCNSNCDF 1 1 0 0	SOOHHIFHD 0 0 0 2		SCSTODNCDF 0 0 1
SIR_IOPR_2 Product Type SIR_IOPM1B SIR_IOPM_2 SIR_IOPN1B SIR_IOPN_2	RSWHOEPFDNCDF 0 43 0 30		°	SPHRTASCNSNCDF 1 1 0 0 0 0	SOOHHIFHD 0 0 0 2 0	0 0 41 0	0 0 1 0
SIR_IOPR_2 Product Type SIR_IOPM1B SIR_IOPM_2 SIR_IOPN1B SIR_IOPN_2 SIR_IOPR1B	RSWHOEPFDNCDF 0 43 0 30 0	RSWHOEPFDPLRMNCDF 0 0 0 27 0	RSWHOEPNCDF 0 6 0	SPHRTASCNSNCDF 1 0 0 0 1	SOOHHIFHD 0 0 2 2 0 2	0 0 41 0 162	SCSTODNCDF 0 0 1 0 10 0
SIR_IOPR_2 Product Type SIR_IOPM1B SIR_IOPM_2 SIR_IOPN1B SIR_IOPN_2	RSWHOEPFDNCDF 0 43 0 30	RSWHOEPFDPLRMNCDF 0 0 0	RSWHOEPNCDF 0 6 0	SPHRTASCNSNCDF 1 0 0 0 1 1	SOOHHIFHD 0 0 2 0 3	0 0 41 0	0 0 1 0

					-	F	r
SIR_IOP_2_	15	29	29	5	29	17	28
Product Type	RNELPOTONCDF	RPEPOPFDPLRMSINNCD	RPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF
SIR_IOP_2_	1	17	28	23	18	29	19
							•
Product Type	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCDF	RSWHOEPNCDF	SPHLPQWNCDF	-	-
SIR_IOP_2_	24	29	18	15	29		
	·	·					•
Product Type	-	-	-	-	-	-	-

RBS2OPOEPFDIKUDF RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF between -70 and 70 degrees RBSZOPOEPFDPLRM RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitude: between -70 and 70 degrees RBSZOPOEPNCDF RangeBackscatterSigmaZeroOPOceanExcludingPolarPD2PLRMNetCDF The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitude: between -70 and 70 degrees RNELPOTONCDF RangePeakinessExcludingPolarOPFD2LRMNetCDF The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean for latitude: between -70 and 70 degrees RPEPOPFDPLRMSCDF RangePeakinessExcludingPolarOPFD2LRMNetCDF The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPFDPLRMSINN RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPFDPLRMSINN RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPFDSINNCDF RangePeakinessExcludingPolarOPFD2SARNetCDF The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPFDSI	Test Description Key:		
Old-MOC Interapting of 20 Mz to 1 Mz masuuments should be in the range 0 to (number of 1 Mz samples - 1) MVIOEPFENDEF Mssing/status/toOcanExcludingPointPD2NetCDF The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees MVIOEPFENDEF Mssing/status/toOcanExcludingPointPD2NetCDF The value should not be a 'missing value' for surface type 0 only RBSZOPOEPFENDEF Mssing/status/toOcanExcludingPointPD2NetCDF The value should not be a 'missing value' for surface type 0 only RBSZOPOEPFENDEF MangeBackstatte/SigmiZano/OPocanExcludingPointPD2NetCDF The backstatter SigmiZano 2000 or missing) for surface type - ocan for latitude between -70 and 70 degrees RBSZOPOEPFENDEF RangeBackstatterSigmiZano/OPocanExcludingPointPD2NMMEDF The backstatterSigmiZano 2000 or missing) for surface type - ocan for latitude between -70 and 70 adgrees RBSZOPOEPFENDEF RangeBackstatterSigmiZano/OPOcanExcludingPointPD2NMMEDF The backstatterSigmiZano 2000 or missing) for surface type - ocan for latitudes between -70 and 70 adgrees RBSZOPOEPFENDEF RangeBackstatterSigmiZano/OPOcanExcludingPointPD2NMMEDF The backstatterSigmiZano and 40000 or missing) for surface type - ocan for latitudes between -70 and 70 adgrees RBEEPOFENDERMNDEF RangeBackstatterSigmiZano/OPO2R/MASNEDF The Packinges status to between 0 and 50000 (or missing) for surface type - ocean for latitudes between -70 and 70 degrees	Abbreviation	Test name	Details
MICREPEDRACE Mesing Value/InOceanExcludingPolar/EXPLetCOF The value should not be a 'missing value' for surface type 0 only for latitudes between 70 and 70 degrees MVIOEPENCDF Mesing Value/InOceanExcludingPolar/PACDF The value should not be a 'missing value' for surface type 0 only for latitudes between 70 and 700 degrees MVIONCDF Mesing Value/InOceanExcludingPolar/PACNECDF The value should not be a 'missing value' for surface type 0 only for latitudes between 70 and 7500 (or missing) for surface type - ocean for latitudes between 70 and 7500 (or missing) for surface type - ocean for latitudes between 70 and 7500 (or missing) for surface type - ocean for latitudes between 70 and 7500 (or missing) for surface type - ocean for latitudes between 70 and 70 degrees RBS2OPOEPPOLINDF RangeBaakcaterSigmaZemoPOceanExcludingPolar/PACPF The backater sigma zero should be between 70 and 7500 (or missing) for surface type - ocean for latitudes between 70 and 70 degrees RBS2OPOEPPOLINNCDF RangePetatinessExcludingPolar/PD2PLRMNetCDF The backater sigma zero should be between 70 and 70 degrees RNEEPOPFDELINNCDF RangePetatinessExcludingPolar/PD2PLRMNetCDF The Pasianess should be between 70 and 200 (or missing) for surface type - ocean for latitudes between 70 and 70 degrees RPEPOPFDELINNCDF RangePetatinessExcludingPolar/PD2PLEMSARNetCDF The Pasianess should be between 70 and 2000 (or missing) for surface type - ocean for latitudes between 70 and 70 degrees RPEPOPFDELINNCDF RangePetashinessExcludingPolar/PD2PLE	BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter
MOUCEPINCING Measing Value/InOceanEscluding/Polar/NECDF The value should not be a 'missing' value' for surface type 0 only for latitudes between 7.0 and 7.00 (or missing) for surface type = 0 can for latitudes between 7.00 and 7.00 (or missing) for surface type = 0 can for latitudes between 7.00 and 7.00 (or missing) for surface type = 0 can for latitudes between 7.00 and 7.00 (or missing) for surface type = 0 can for latitudes between 7.00 and 7.00 (or missing) for surface type = 0 can for latitudes between 7.00 and 7.00 (or missing) for surface type = 0 can for latitudes between 7.00 and 7.00 (or missing) for surface type = 0 can for latitudes between 7.00 and 7.00 (or missing) for surface type = 0 can for latitudes between 7.00 and 7.00 (or missing) for surface type = 0 can for latitudes between 7.00 and 7.00 (or missing) for surface type = 0 can for latitudes between 7.00 and 7.00 (or missing) for surface type = 0 can for latitudes between 7.00 and 7.00 (or missing) for surface type = 0 can for latitudes between 7.00 and 7.00 (or missing) for surface type = 0 can for latitudes between 7.00 and 7.00 (or missing) for surface type = 0 can for latitudes between 7.00 and 7.00 (or missing) for surface type = 0 can for latitudes between 7.00 and 7.00 (or missing) for surface type = 0 can for latitudes between 7.00 and 7.00 (or missing) for surface type = 0 can for latitudes between 7.00 and 7.00 (or missing) for surface type = 0 can for latitudes between 7.00 and 7.00 degrees REPEOPEDFUNKING RangePeakinesExcludingPolar/OPD22FLMMINCDF The PeakinesE should be between 0 and 5000 (or missing) for surface type = 0 can for latitudes between 7.00 and 7.00 degrees REPEOPEDFUNKING RangePeakinesExcludingPolar/OPD22FLMMINCDF The PeakinesE should be between 0 and 5000 (or missing) for surface type = 0 can for latitudes between 7.00	IOHHMOOR	IndexOf1Hzin20HzMappingOutOfRange	The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1)
MVIONCOF MesingValueInt/DeanNet/CDF The value should not be a 'missing value' for surface type = 0 only RBSZOPOEPFDURDF RangeBackscatterSigma2ero0POceanExcludingPolar/D2PLEMMetCDF The backscatter sigma area 70 diopres RBSZOPOEPFDLRM RangeBackscatterSigma2ero0POceanExcludingPolar/D2PLEMMetCDF The backscatter sigma area 70 diopres RBSZOPOEFPNCDF RangeBackscatterSigma2ero0POceanExcludingPolar/PD2PLEMMetCDF The backscatter sigma area 70 diopres RNELPOTONCDF RangeBackscatterSigma2ero0POceanExcludingPolar/PD2PLEMMetCDF The backscatter sigma area 70 diopres RNELPOTONCDF RangeBackscatterSigma2ero0POceanExcludingPolar/NetCDF The backscatter sigma area 70 diopres RNELPOTONCDF RangePackinessExcludingPolar/NetCDF The backscatter sigma area 70 diopres RNEEPOPFDLRMNCDF RangePackinessExcludingPolar/NetCDF The Packiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between 70 ard 70 diopres RPEPOPFDLRMNCDF RangePeakinessExcludingPolar/NFD2PLRMSRNetCDF The Packiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between 70 ard 70 diopres RPEPOPFDSINNCDF RangePeakinessExcludingPolar/PFD2SINNECDF The Packiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between 70 ard 70 diopres RPEPOPFDSINNCDF Ran	MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees
RBS2OPCEPEPDNCDF RBS2OP0CEPEPDLRM NODF RangeBackacatterSigmaZeroOPOceanExcludingPolarE02ELRMNetCDF The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitude boween 70 and 70 degrees RBS2OP0EPEDLRM NODF RangeBackscatterSigmaZeroOPOceanExcludingPolarH02PLRMNetCDF The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitude boween 70 and 70 degrees RNELPOTONCDF RangeNELPOceanTideOceanNetCDF The boxing sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitude between 70 and 70 degrees RNELPOTONCDF RangePeakinessExcludingPolar/NECDF The Polarines should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between 70 RPEOPFDLRMNCDF RangePeakinessExcludingPolar/OPFD2LRMSAR NCDF The Polarines should be between 0 and 5000 (or missing) for surface type = ocean for latitudes between 70 and 70 degrees RPEOPFDLRMNCDF RangePeakinessExcludingPolar/OPFD2LRMSAR NCDF The Polarines should be between 0 and 5000 (or missing) for surface type = ocean for latitudes between 70 and 70 degrees RPEOPFDSINNCDF RangePeakinessExcludingPolar/OPFD2RMNetCDF The Polarines should be between 0 and 5000 (or missing) for surface type = ocean for latitudes between 70 and 70 degrees RPEOPFDSINNCDF RangePeakinessExcludingPolar/OPEDSARNetCDF The Polarines should be between 0 and 5000 (or missing) for surface type = ocean for latitudes between 70 and 70 degrees <td>MVIOEPNCDF</td> <td>MissingValueIntOceanExcludingPolarNetCDF</td> <td>The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees</td>	MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees
HistSCPOEPFDPLIM RangeBackscatterSigmaZeroPOceanExcludingPolarPD2HEMNetCDF between -70 and 70 degrees RBSCPOEFFDPLIM RangeBackscatterSigmaZeroPOceanExcludingPolarPD2HEMNetCDF The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for lattlude between -70 and 70 degrees RBSCPOEFFDPLRM RangeBackscatterSigmaZeroPOceanExcludingPolarNetCDF The backscatter sigma zero should be between -700 and 7500 (or missing) for surface type = ocean for lattlude between -70 and 70 degrees RPEPOFFDLRMNCDF RangePeakinessExcludingPolarOPFD2HMSARNetCDF The backscatter sigma zero should be between 0 and 5000 (or missing) for surface type = ocean for lattludes between -70 and 70 degrees RPEPOFFDLRMNSDR RangePeakinessExcludingPolarOPFD2HMSARNetCDF The Feakiness should be between 0 and 5000 (or missing) for surface type = ocean for lattludes between 70 and 70 degrees RPEPOFFDLRMNSDR RangePeakinessExcludingPolarOPFD2HAMSARNetCDF The Feakiness should be between 0 and 5000 (or missing) for surface type = ocean for lattludes between 70 and 70 degrees RPEPOFFDLRMNSDF RangePeakinessExcludingPolarOPFD2HSMNR0CDF The Feakiness should be between 0 and 5000 (or missing) for surface type = ocean for lattludes between 70 and 70 degrees RPEPOFFDRLMNCDF RangePeakinessExcludingPolarOPFD2HSMNR0CDF The Feakiness should be between 0 and 5000 (or missing) for surface type = ocean for lattludes between 70 and 70 degrees RPEPOFFSINNCDF	MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only
NOEDF Hangebackstatesignazero.OP-CostnictoutingPolate/DPLANNICUP between Total of a segres Total of a segres RBSZOPOEPNCDF Rangebackstatesignazero.OP-CostnictoutingPolatvNetCDF The backstater signazero and out be between 700 and 7500 (or missing) for surface type = ocean for latitudes between RPEPOFPLIRMSDR Rangebackstatesignazero.OP-CostnictoutingPolatvOEDF The Peakiness should be between 70 and 700 agrees RPEPOFPLIRMSDR RangebackinessExcludingPolat/OPFD2PLIRMSINKetCDF The Peakiness should be between 0 and 4000 (or missing) for surface type = ocean for latitudes between 70 and 70 agrees RPEPOFPLIRMSDR RangePeakinessExcludingPolat/OPFD2PLIRMSINKetCDF The Peakiness should be between 0 and 4000 (or missing) for surface type = ocean for latitudes between 70 and 70 agrees RPEPOFPLRINSINC RangePeakinessExcludingPolat/OPFD2PLIRMSINKetCDF The Peakiness should be between 0 and 4000 (or missing) for surface type = ocean for latitudes between 70 and 70 agrees RPEPOFPLRINSINC RangePeakinessExcludingPolat/OPFD22FLIRMSINKetCDF The Peakiness should be between 0 and 4000 (or missing) for surface type = ocean for latitudes between 70 and 70 agrees RPEPOFPLRINSINC RangePeakinessExcludingPolat/OPFD22FLIRMSINKetCDF The Peakiness should be between 0 and 4000 (or missing) for surface type = ocean for latitudes between 70 and 70 agrees RPEPOFPLINNCDF RangePeakinessExcludingPolat/OPFD22FLIRMNetCDF <	RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
HBS/CPCPFNCIP Rangebasesations/generative/DecanTideobeanNetCDF between -70 and 70 degrees RPEDOPFDLRMNCDF RangeNELPOCeanTideobeanNetCDF The Non-equilibrium ion poinced ocean loading tide height should be between -40m and 40mm (or missing) for surface type - ocean RPEDOPFDLRMNCDF RangeNetLPOCeanTideobeanNetCDF The Peakiness should be between 0 and 5400 (or missing) for surface type - ocean for latitudes between -70 and 70 degrees RPEPOPFDLRMNCDF RangePeakinessExcludingPolarOPFD2LRMSNetCDF The Peakiness should be between 0 and 50000 (or missing) for surface type - ocean for latitudes between -70 and 70 degrees RPEPOPFDSLRMNCDF RangePeakinessExcludingPolarOPFD22RMNetCDF The Peakiness should be between 0 and 50000 (or missing) for surface type - ocean for latitudes between -70 and 70 degrees RPEPOPFDSLRNCDF RangePeakinessExcludingPolarOPFD22RNNetCDF The Peakiness should be between 0 and 50000 (or missing) for surface type - ocean for latitudes between -70 and 70 degrees RPEPOPFDSINNCDF RangePeakinessExcludingPolarOPFD28NNetCDF The Peakiness should be between 0 and 50000 (or missing) for surface type - ocean for latitudes between -70 and 70 degrees RPEPOPFDSINNCDF RangePeakinessExcludingPolarOPFD28NNetCDF The Peakiness should be between 0 and 50000 (or missing) for surface type - ocean for latitudes between -70 and 70 degrees RPEPOPSINNCDF RangeBeakinessExcludingPolarOPFD28NNetCDF The Peakintess should be betwe		RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
Intel production surface type = cean surface type = cean PREPOPFDLRMNCDF RangePeakinessExcludingPolar/OFFD2LRMNetCDF The Peakiness bould be between 0 and 6400 (or missing) for surface type = cean for latitudes between -70 and 70 degrees RPEPOPFDLRMSRAR NCDF RangePeakinessExcludingPolar/OFFD2LRMSRARNetCDF The Peakiness bould be between 0 and 15000 (or missing) for surface type = cean for latitudes between -70 and 70 degrees RPEPOPFDLRMSRAR RangePeakinessExcludingPolar/OFFD2LRMSINNetCDF The Peakiness bould be between 0 and 15000 (or missing) for surface type = cean for latitudes between -70 and 70 degrees RPEPOPFDLRMSRAR RangePeakinessExcludingPolar/OFFD2SARNetCDF The Peakiness bould be between 0 and 15000 (or missing) for surface type = cean for latitudes between -70 and 70 degrees RPEPOPFDSINNCDF RangePeakinessExcludingPolar/OFFD2SARNetCDF The Peakiness bould be between 0 and 15000 (or missing) for surface type = cean for latitudes between -70 and 70 degrees RPEPOPFDSINNCDF RangePeakinessExcludingPolar/OFARNetCDF The Peakiness bould be between 0 and 15000 (or missing) for surface type = cean for latitudes between -70 and 70 degrees RSEDONCDF RangePeakinessExcludingPolar/OFARNetCDF The Peakiness bould be between 0 and 15000 (or missing) for surface type = cean for latitudes between -70 and 70 degrees RSEDONCDF RangePeakinessExcludingPolar/OFARNetCDF The Peakiness bould be between 0 and 15000 (or missing) fo	RBSZOPOEPNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
PHEPOPPLIAMAGD Independences Intervention RPEPOPPLIAMSAR RangeBeakinessExcludingPolarOPFD2PLRMSARINECDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPPDISARNCDF RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPFDISARNCDF RangePeakinessExcludingPolarOPFD2SARNetCDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPFDSINNCDF RangePeakinessExcludingPolarOPFD2SINNetCDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPFDSINNCDF RangePeakinessExcludingPolarOPFD2SINNetCDF The Peakiness should be between 0 and 5000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPSINNCDF RangePeakinessExcludingPolarOPSARNetCDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSSECONCDF RangePeakinessExcludingPolarOPSINNetCDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSSECONCDF RangeSeasurfaceHeightAnomalyCoeanFUDF The Peakiness should be between -300mm and 90mm (or missing) for surf	RNELPOTONCDF	RangeNELPOceanTideOceanNetCDF	The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean
NCDF Hangereakmest beckultungrobiat/OFD2PLMRISANKetCDF and 0 degrees and 0 degrees RPEPOPEDPLRMSINN RangePeakmessExcludingPolar/OFD2PLANSINNetCDF The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPEDSARNCDF RangePeakmessExcludingPolar/OFD2SARNetCDF The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPEDSINNCDF RangePeakinessExcludingPolar/OFD2SINNetCDF The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPEDSINNCDF RangePeakinessExcludingPolar/OFD2SINNetCDF The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPSINNCDF RangePeakinessExcludingPolar/OFD2SINNetCDF The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPSINNCDF RangePeakinessExcludingPolar/OFSINNetCDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSSECONCDF RangeSeaSurfaceHeightAnomalyCeanFD3NetCDF The sea satiate bias correction should be between - 3000mm and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSSHAOFDPLRMNCDF RangeSeaSurfaceHeightAnomalyCeanFD3PLRMNet	RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	
CDF nargePeakinessExtudingPolarOPFD2FLMsinwetCDF and 70 degrees RPEPOPFDSARNCDF RangePeakinessExcludingPolarOPFD2SARNetCDF The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPFDSINNCDF RangePeakinessExcludingPolarOPFD2SINNetCDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPLRMNCDF RangePeakinessExcludingPolarOPLEMNEtCDF The Peakiness should be between 0 and 4600 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPSINNCDF RangePeakinessExcludingPolarOPSARNetCDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPSINNCDF RangePeakinessExcludingPolarOPSINNetCDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSSBCONCDF RangePeakinessExcludingPolarOPSINNetCDF The sea surface height anomaly should be between -3000mm and 9000mm (or missing) for surface type = ocean RSSBAOFDNCDF RangeSeaSurfaceHeightAnomalyCeanFD3PLRMNetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean RSSHAOFDF RangeSeaSurfaceHeightAnomalyCeanEDSPLRMNetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean <		RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	
NR EFCOPEDSARNOD nangePeakinessExcludingPolarOPEDSINNetCDF and 70 degrees RPEPOPEDSINNCDF RangePeakinessExcludingPolarOPEDSINNetCDF The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPLRMNCDF RangePeakinessExcludingPolarOPERMNetCDF The Peakiness should be between 0 and 5000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPSINNCDF RangePeakinessExcludingPolarOPSINNetCDF The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RPEPOPSINNCDF RangePeakinessExcludingPolarOPSINNetCDF The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSSBCONCDF RangeSeaStateBiasCorrectionOceanNetCDF The sea surface height anomaly should be between -500mm and mm (or missing) for surface type = ocean RSSHAOFDPLRMNCD RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSSHAOFDF RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean RSWHOEPFDNCDF RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean for l		RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees
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RSHAOFDNCDF RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = RSSHAOFDPLRMNCD nangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = RSSHAONCDF RangeSeaSurfaceHeightAnomalyOceanNetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = RSWHOEPFDNCDF RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWHOEPFDPLRMNC RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWHOEPFDPLRMNC RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWHOEPNCDF RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees SPHRTASCNSNCDF SPH_Rel_Time_ASC_Node_Start_v2_NetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees <	RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	
RSSHAOFDNCDF HangeSeaSuffaceHeightAnomalyOceanFD3PLRMNetCDF ocean RSSHAOFDPLRMNCD RangeSeaSurfaceHeightAnomalyOceanFD3PLRMNetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean RSSHAONCDF RangeSeaSurfaceHeightAnomalyOceanNetCDF The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean RSWHOEPFDNCDF RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWHOEPFDPLRMNC RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWHOEPFNCDF RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWHOEPNCDF RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees SPHRTASCNSNCDF SPH_Rel_Time_ASC_Node_Start_v2_NetCDF Rel_Time_ASC_Node_Start wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees SOHHIFHD SameOrOneHigher1HzIndexFor20HzData	RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean
F nangeseasurfaceHeightAntonnalyOceanIPD3PENNINECDF ocean RSSHAONCDF RangeSeaSurfaceHeightAnomalyOceanNetCDF The seas surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWHOEPFDNCDF RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWHOEPFDPLRWND RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWHOEPNCDF RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees SPHRTASCNSNCDF SPH_Rel_Time_ASC_Node_Start_v2_NetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees SPHRTASCNSNCDF SPH_Rel_Time_ASC_Node_Start_v2_NetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees SOHHIFHD SameOrOneHigher1HzIndexFor20HzData The 1 trait degrees SCSTODHRNCDF SequenceCounterStepTODHRNetCDF The sequence counter should be modulo 4 higher with regard to the previous sequenc	RSSHAOFDNCDF	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF	
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HSWHOEPFDICDF Hangesignificant/waveHeightOceanExcludingPolarFD2PLetCDF latitudes between -70 and 70 degrees RSWHOEPFDPLRMNC DF RangeSignificant/WaveHeightOceanExcludingPolarFD2PLRMNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees RSWHOEPFNCDF RangeSignificant/WaveHeightOceanExcludingPolarFD2PLRMNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees SPHRTASCNSNCDF SPH_Rel_Time_ASC_Node_Start_v2_NetCDF Rel_Time_ASC_Node_Start mismatch (DBL ASC, rounded up to 0.1) SOOHHIFHD SameOrOneHigher1HzIndexFor20HzData The 1 Hz index of a 20 Hz sample should be modulo 4 higher with regard to the previous sequence counter	RSSHAONCDF	RangeSeaSurfaceHeightAnomalyOceanNetCDF	
DF Hangesignificant/WaveHeightOceanExcludingPolarPD2FLHMNetCDF latitudes between -70 and 70 degrees RSWHOEPNCDF RangeSignificant/WaveHeightOceanExcludingPolarNetCDF The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees SPHRTASCNSNCDF SPH_Rel_Time_ASC_Node_Start_v2_NetCDF Rel_Time_ASC_Node_Start mismatch (DBL ASC, rounded up to 0.1) SOOHHIFHD SameOrOneHigher1HzIndexFor20HzData The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample SCSTODHRNCDF SequenceCounterStepTODHRNetCDF The sequence counter should be modulo 4 higher with regard to the previous sequence counter	RSWHOEPFDNCDF	RangeSignificantWaveHeightOceanExcludingPolarFD2NetCDF	
RSWHOEPNODF nangesignificative aveneight Code at Excluding Polarite COP latitudes between -70 and 70 degrees SPHRTASCNSNCDF SPH_Rel_Time_ASC_Node_Start_v2_NetCDF Rel_Time_ASC_Node_Start mismatch (DBL ASC, rounded up to 0.1) SOOHHIFHD SameOrOneHigher1HzIndexFor20HzData The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample SCSTODHRNCDF SequenceCounterStepTODHRNetCDF The sequence counter should be modulo 4 higher with regard to the previous sequence counter		RangeSignificantWaveHeightOceanExcludingPolarFD2PLRMNetCDF	
SOOHHIFHD SameOrOneHigher1HzIndexFor20HzData The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample SCSTODHRNCDF SequenceCounterStepTODHRNetCDF The sequence counter should be modulo 4 higher with regard to the previous sequence counter	RSWHOEPNCDF	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	
SCSTODHRNCDF SequenceCounterStepTODHRNetCDF The sequence counter should be modulo 4 higher with regard to the previous sequence counter	SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Start_v2_NetCDF	Rel_Time_ASC_Node_Start mismatch (DBL ASC, rounded up to 0.1)
	SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample
SCSTODNCDF SequenceCounterStepTODNetCDF The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter	SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter
	SCSTODNCDF	SequenceCounterStepTODNetCDF	The sequence counter should be one higher (modulo 16384) with regard to the previous sequence counter

7.3 Missing QCC Reports

Number of products with missing QCC reports:

0