

QA4EO Daily Report for IOP data:

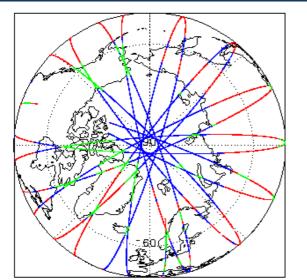
<u>03/03/2023</u>

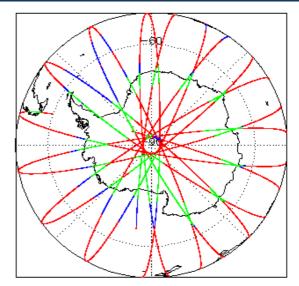
IDEAS-QA4E0

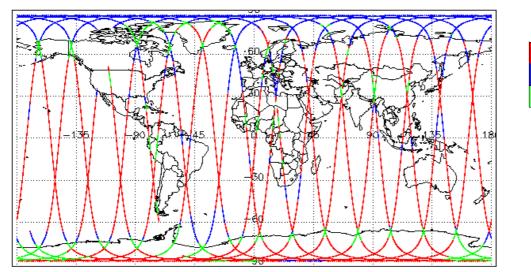
1. Overview				
Report Production:	07-Mar-2023	Check	L1 & L2	P2P
neport i roduction.	07 Mai 2020	Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Processor Used:	CryoSat Ocean Processor	Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Processor Usea:	GryoSal Ocean Processor	Product Software 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
	your feedback about these daily	Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5	See Section 6.5
quality reports: What do you like/ dislike? What quality		Range, SWH & Backscatter Measurement Check	See Section 5.6	See Section 6.6
information do you need? Send your feedback to		Ocean Retracking Quality Check	See Section 5.7	See Section 6.7
cs2_qc_t	team@telespazio.com	QCC Error/ Warning Check	See Section 7.1 and 7.2	See Section 7.1, 7.2

	Mission / Instrument News				
02-Mar-2023					
03-Mar-2023 04-Mar-2023		None			
		Nothing planned			

2. Global Coverage











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).

4.2 L1B Product Header Analysis					
For all products, a series of pre-defined checks are performed on the MPH and	SPH in order to identify any inco	nsistencies and/or errors raised by the ground-segment processing chain.			
Number of products with errors: 0					
4.3 L1B Auxilary Data File Usage Check					
Each product is checked for missing Data Set Descriptors with respect to a pre-	e-determined baseline and also to	check the validity of Auxiliary Data Files is correct.			
Number of products with errors: 0					
4.4 L1B Auxiliary Correction Error Check					
CryoSat L1B data includes a correction error flag for each measurement record	d. The bit value of this flag indicate	es any problems when set.			
Number of products with errors: 0					
4.5 L1B Measurement Confidence Data Check					
CryoSat L1B data includes a measurement confidence flag for each measurem	nent record. The bit value of this fla	ag indicates any problems when set.			
	ducts due to a configuration issue.	. The attitude correction is actually not missing. This will be resolved in the next SW			
update. Number of products with errors: 1					
Product	Test Failed	Description There is an error in the scaling of the L1B waveform for one or more			
CS_OFFL_SIR_IOPM1B_20230303T213740_20230303T213824_C001	Power scaling error	records			
4.6.L.1P. Wayafarm Crown Data Chaok					
4.6 L1B Waveform Group Data Check					
CryoSat L1B data includes a waveform data flag for each measurement record	I. The bit value of this flag indicate	es any problems when set.			
Loss of Echo Flag: This flag is currently set for products over land, but this is	to be expected. The table provide	es the full list of products flagged.			
Number of products with errors: 13					
Product	Test Failed	Description			
CS_OFFL_SIR_IOPM1B_20230303T005020_20230303T012341_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_IOPM1B_20230303T231613_20230303T231700_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_IOPN1B_20230303T063312_20230303T063813_C001 CS_OFFL_SIR_IOPN1B_20230303T080615_20230303T080649_C001	Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records			
CS_OFFL_SIR_IOPN1B_20230303T080806_20230303T080827_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_IOPN1B_20230303T161928_20230303T162113_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_IOPN1B_20230303T162303_20230303T162518_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_IOPN1B_20230303T172629_20230303T172848_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_IOPR1B_20230303T050307_20230303T050413_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_IOPR1B_20230303T145600_20230303T145830_C001 CS_OFFL_SIR_IOPR1B_20230303T161722_20230303T161928_C001	Loss of Echo	The tracking echo is missing for one or more records			
CS_OFFL_SIR_IOPR1B_202303031101722_202303031101928_C001 CS_OFFL_SIR_IOPR1B_202303031175623_202303031175923_C001	Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records			
CS OFFL SIR IOPR1B 20230303T194211 20230303T195144 C001	Loss of Echo	The tracking echo is missing for one or more records			
5. IO	P Level 2 Data Qua	lity Check			
5.1 L2 Product Format Check					
Each product, retrieved and unpacked from the science server, is checked to e	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					
•	A CPH in order to identify any incom	noistanging and/or arrays related by the arrayed assessed pressessing shain			
For all products, a series of pre-defined checks are performed on the MPH and Number of products with errors: 0	I SFH III older to identity any incor	isistencies and/or errors raised by the ground-segment processing chain.			
Number of products with errors: 0					
5.3 L2 Auxiliary Data File Usage Check					
Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.					
Number of products with errors: 0					
5.4 L2 Auxiliary Correction Error Check					
For all products, the auxiliary corrections within the Geophysical Group are 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.					
Sea State bias a Sea State bias a Sea State bias PLTM. The effort value is currently set for products over land and sea ice, but this is to be expected.					
> Mean Sea Surface: The error value is currently set for products over land an > Mean Dynamic Topography: The error value is currently set for products over land an > Mean Dynamic Topography: The error value is currently set for products over land an > Mean Dynamic Topography: The error value is currently set for products over land an > Mean Dynamic Topography: The error value is currently set for products over land an > Mean Dynamic Topography: The error value is currently set for products over land an > Mean Dynamic Topography: The error value is currently set for products over land an > Mean Dynamic Topography: The error value is currently set for products over land an > Mean Dynamic Topography: The error value is currently set for products over land an > Mean Dynamic Topography: The error value is currently set for products over land an > Mean Dynamic Topography: The error value is currently set for products over land an > Mean Dynamic Topography: The error value is currently set for products over land an > Mean Dynamic Topography: The error value is currently set for products over land an > Mean Dynamic Topography: The error value is currently set for products over land an > Mean Dynamic Topography is the product over land an > Mean Dynamic Topography is the product over land an > Mean Dynamic Topography is the product over land an > Mean Dynamic Topography is the product over land an > Mean Dynamic Topography is the product over land an > Mean Dynamic Topography is the product over land an > Mean Dynamic Topography is the product over land an > Mean Dynamic Topography is the product over land an > Mean Dynamic Topography is the product over land an > Mean Dynamic Topography is the product over land an > Mean Dynamic Topography is the product over land an > Mean Dynamic Topography is the product over land an > Mean Dynamic Topography is the product over land an > Mean Dynamic Topography is the product over land an > Mean Dynamic Topography is the product over land an > Mean					
Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.					
umber of products with errors: 55					

Product	Test Falled	Description
CS_OFFL_SIR_IOPM_2_20230303T093618_20230303T093626_C001	Iviean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records

SQ DPR J BR UPP 2 SQUARTINGS QUADAUTINGS QUADKeen Dynamic Transproy(*)Rese an encode which a labor program of the sQU Dynamic Transproy (*)SQ DPR J BR UPP 2 SQUARTINGS QUADAUTINGS QU	CS_OFFL_SIR_IOPM_2_20230303T195144_20230303T195223_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height (solution 1) for one or more records
Control Control Description Descripion <thdescripion< th=""> <thdescr< td=""><td>CS_OFFL_SIR_IOPN_2_20230303T003837_20230303T003951_C001</td><td>Mean Dynamic Topography (1)</td><td></td></thdescr<></thdescripion<>	CS_OFFL_SIR_IOPN_2_20230303T003837_20230303T003951_C001	Mean Dynamic Topography (1)	
CCC/TCLIGN_CONC_CONCASTING NUM_CONSTINUES_CONT Tetagary (I) Tetagary (I) Tetagary (I) Tetagary (I) CS_OPT_LEN_CONC_CONSTINUES_CONT March SS GRINGEN (), Man Dynam: Tetagary (I) Tetagary (I) Tetagary (I) CS_OPT_LEN_CONC_CONSTINUES_CONT March SS GRINGEN (), Man Dynam: Tetagary (I) Tetagary (I) Tetagary (I) CS_OPT_LEN_CONC_CONSTINUES_CONT March SS GRINGEN (), Man Dynam: Tetagary (I)	CS_OFFL_SIR_IOPN_2_20230303T004450_20230303T004811_C001		
B2_FIT_URL_DRIV_EXACUUSTICITUE_LOOP Insparying (NLT) Insparying (NLT) <t< td=""><td>CS_OFFL_SIR_IOPN_2_20230303T021926_20230303T022203_C001</td><td></td><td></td></t<>	CS_OFFL_SIR_IOPN_2_20230303T021926_20230303T022203_C001		
05.071_01_01_2_XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	CS_OFFL_SIR_IOPN_2_20230303T031441_20230303T031601_C001	Topography (1), Total Geocentric Ocean	Topography (solution 1), the Total Geocentric Ocean Tide (solution 1:
CC OFFL SHI LOW Z. 2020007110388. MUMULINISSE D. 2001 Yangyaley (1) Yangyaley (200401) CS OFFL SHI LOW Z. 2020007110388. MUMULINISSE D. 2001 Main Dyname. Taxography (1) Yangyaley (200401) CL OFFL SHI LOW Z. 2020007110389. TOOT Main Dyname. Taxography (1) Yangyaley (200401) CL OFFL SHI LOW Z. 2020007110389. TOOT Main Dyname. Taxography (1) Yangyaley (200401) CL OFFL SHI LOW Z. 2020007110389. TOOT Main Dyname. Taxography (1) Yangyaley (200401) CL OFFL SHI LOW Z. 2020007110389. TOOT Main Dyname. Taxography (1) Yangyaley (200401) CL OFFL SHI LOW Z. 2020007110389. TOOT Main Dyname. Taxography (1) Yangyaley (200401) CL OFFL SHI LOW Z. 2020007110389. TOOT Main Dyname. Taxography (1) Yangyaley (200401) CL OFFL SHI LOW Z. 2020007110389. TOOT Main Dyname. Taxography (1) Yangyaley (200401) CL OFFL SHI LOW Z. 2020007112384. TOOT Main Dyname. Taxography (1) Yangyaley (200401) CL OFFL SHI LOW Z. 2020007112384. TOOT Main Dyname. Taxography (1) Yangyaley (200401) CL OFFL SHI LOW Z. 2020007112384. TOOT Main Dyname. Taxography (1) Yangyaley (200401) CL OFFL SHI LOW Z. 2020007112384. TOOT Main Dyname. Taxography (1) Yangyaley (200401) CL OFFL SHI LOW Z. 2020007112384. TOOT Main Dyname. Taxography (1) Yangyaley (200401) CL OFFL SHI LOW Z. 2020007112384. TEXENDERY TAXOGRAND	CS_OFFL_SIR_IOPN_2_20230303T035637_20230303T040057_C001	Mean Sea Surface (1), Mean Dynamic	There is an error with the MSS height (solution 1) and the Mean Dynamic
Cold Chr. Sim Donk 2. 20200000000000000000000000000000000	CS_OFFL_SIR_IOPN_2_20230303T045358_20230303T045502_C001		
Corr Corr Loss (Corr 2) and Corr 2) accessed to the set of the se	CS_OFFL_SIR_IOPN_2_20230303T053657_20230303T053851_C001	Mean Dynamic Topography (1)	
CBL_CPFL_SRUCPL_Z_INEXXENTEXCENTS_CONT Transpary (1): Total Geneemb Coase Transpary (particular 1): the Total Coasers Coase Total Database CBL_CPFL_SRUCPL_Z_INEXXENTEXCENT_CONT_TOTAL_CONT_TOTAL March Dynamic Trapspary (1): Total Geneemb Coase There is an end with the March Dynamic Trapspary (1): Total Geneemb Coase CBL_CPFL_SRUCPL_Z_INEXXENTEXCENT_LINEXT_CONT_TOTAL_CONT_TOT	CS_OFFL_SIR_IOPN_2_20230303T054713_20230303T054901_C001	Mean Dynamic Topography (1)	
CRUCH_SHUCH_2003000010618_000000000000000000000000000000	CS_OFFL_SIR_IOPN_2_20230303T063312_20230303T063813_C001	Topography (1), Total Geocentric Ocean	Topography (solution 1), the Total Geocentric Ocean Tide (solution 1:
CS_OFFL_SIP_UOPK_2_D0230000T106074_20020000T10204C_C001 Topography (0). Total Goocenito Common Type Feedore CS_OFFL_SIP_UOPK_2_D0230000T102047_2002000T1102047_C001 Mean Dynamic Topography (0). There is an encry with the MSS height (culture 1) and the Mean Dynamic Topography (0). CS_OFFL_SIP_UOPK_2_D0230000T104302_D023000T104342_C001 Mean Dynamic Topography (0). There is an encry with the MSS height (culture 1) and the Mean Dynamic Topography (0). CS_OFFL_SIP_UOPK_2_D0230000T104302_D02000T104342_C001 Mean Dynamic Topography (0). There is an encry with the MSS height (culture 1) and the Mean Dynamic Topography (0). CS_OFFL_SIP_UOPK_2_D0230000T102344_200000T1023442_C001 Mean Dynamic Topography (1). There is an encry with the MSS height (culture 1) and the Mean Dynamic Topography (1). CS_OFFL_SIP_UOPK_2_D0230000T102344_2000000T1023442_C001 Mean Dynamic Topography (1). There is an encry with the MSS height (culture 1), and the Mean Dynamic Topography (1). CS_OFFL_SIP_UOPK_2_D0230000T102344_2000000T102342_200000T102342_200000T102342_200000T102342_200000T102342_200000T102342_200000T102342_200000T102342_200000T10234_200000T102342_200000T102342_200000T102342_200000T102342_200000T102342_200000T102342_200000T102342_200000T102342_200000T102342_200000T102342_200000T102342_200000T102342_200000T102342_200000T102344_2000000T102344_2000000T102344_2000000T102342_200000T102344_2000000T102344_2000000T110344_20001 Mean Dynamic Topography (1). CS_OFFL_SIP_UOPK_2_02230000T1762542_20230000T1762542_20230000T1762542_20230000T1762542_20230000T1762542_200000T12574_200000T225541_200000T	CS_OFFL_SIR_IOPN_2_20230303T080615_20230303T080649_C001	Mean Dynamic Topography (1)	
Concernent Trapsgraphy (1)	CS_OFFL_SIR_IOPN_2_20230303T085754_20230303T085958_C001	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period	There is an error with the MSS height (solution 1), the Mean Dynamic
Col, DFPL_SIR_UOPN_2_02200003T121482_0220003T121482_0000 Intern Cyburnet (Tupography (1)) for one or none records CS, OFFL_SIR_UOPN_2_02200003T122482_0220003T122486_0001 Mean Dynamic Topography (1) There is an enrow with the MSS height (boldion 1) and the Mean Dynamic Topography (1) CS, OFFL_SIR_UOPN_2_02200003T122482_0220003T122486_0001 Mean Dynamic Topography (1) There is an enrow with the MSS height (boldion 1) and the Mean Dynamic Topography (1) CS, OFFL_SIR_UOPN_2_0220003T135113_0220001 Mean Dynamic Topography (1) There is an enrow with the MSS height (boldion 1) and the Mean Dynamic Topography (1) CS, OFFL_SIR_UOPN_2_0220003T135113_0220001 Mean Dynamic Topography (1) There is an enrow with the MSS height (boldion 1) and the Mean Dynamic Topography (1) CS, OFFL_SIR_UOPN_2_0220003T14050_0220003T140320_0001 Mean Dynamic Topography (1) There is an enrow with the MSS height (boldion 1) and the Mean Dynamic Topography (1) CS, OFFL_SIR_UOPN_2_0220003T140320_0020003T1462618_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an enrow with the MSS height (boldion 1) and the Mean Dynamic Topography (1) CS, OFFL_SIR_UOPN_2_0220003T142548_0.001 Mean Sea Surface (1), Mean Dynamic Topography height (boldion 1) and the Mean Dynamic Topography height (boldion 1) CS, OFFL_SIR_UOPN_2_0220003T142548_0.001 Mean Sea Surface (1), Mean Dynamic Topography height (boldion 1) CS, OFFL_SIR_UOPN_2_0220003T172548_0	CS_OFFL_SIR_IOPN_2_20230303T103547_20230303T103907_C001		
Construction Topography (i) Topography (i) Topography (ii) Topography (iii) C8. OFFL_SIR_IOPN_2_0203030112244_002001 Mean Dynamic Topography (i) Tore is an error with the Mean Dynamic Topography height (solution 1). C8. OFFL_SIR_IOPN_2_0203030113241_0020003113010_0000 Mean Dynamic Topography (i) There is an error with the MSD height (solution 1). C8. OFFL_SIR_IOPN_2_0203003113011_002_0001 Mean Dynamic Topography (i) There is an error with the MSD height (solution 1). C8. OFFL_SIR_IOPN_2_0203003114010_00200031140524_0001 Mean Sas Surface (i). Mean Dynamic Topography height (solution 1). C8. OFFL_SIR_IOPN_2_0203003114010_00200031140024_0001 Mean Sas Surface (i). Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1). C8. OFFL_SIR_IOPN_2_0203003114010_000001140024_00001 Mean Sas Surface (i). Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1). C8. OFFL_SIR_IOPN_2_0202003116218_0001 Mean Sas Surface (i). Mean Dynamic Topography height (solution 1). C8. OFFL_SIR_IOPN_2_02020031172649_00001 Mean Sas Surface (i). Mean Dynamic Topography height (solution 1). C8. OFFL_SIR_IOPN_2_02020031172649_0001 Mean Dynamic Topography (i) There is an error with the Mean Dynamic Topography height (solution 1). C8. OFFL_SIR_IOPN_2_020200031172649_0001 Mean Dynamic Topography	CS_OFFL_SIR_IOPN_2_20230303T104430_20230303T104549_C001	Mean Dynamic Topography (1)	
OCCUPPEL_SIR_JOPN_2_2023003112542_2023003112542_2023003112512 Mean Start S	CS_OFFL_SIR_IOPN_2_20230303T121442_20230303T121802_C001		
CS_OFFL_SIR_LOPN_2_202303031130411_202303031130702_2001 Topography (1) Total Geocenitic Ocean Topography (0)	CS_OFFL_SIR_IOPN_2_20230303T122324_20230303T122448_C001	Mean Dynamic Topography (1)	
CS_OFFL_SIR_LOPN_2_20230301103112_02230001103312_0001 Mean Dynamic Topography sight (solution 1) CS_OFFL_SIR_LOPN_2_202303031140150_20230303T140323_0001 Mean Sea Surface (1), Mean Dynamic Topography sight (solution 1) CS_OFFL_SIR_LOPN_2_20230303T153918_20230303T154124_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_LOPN_2_20230303T152308_20230303T154124_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_LOPN_2_20230303T172842_0001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_LOPN_2_20230303T172848_0001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_LOPN_2_20230303T175935_20230303T190102_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_LOPN_2_20230303T21518_20230303T21950_0001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_LOPN_2_20230303T21518_2023033T219510_0001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_LOPN_2_20230303T21731_2023033T221940_0001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1)	CS_OFFL_SIR_IOPN_2_20230303T130411_20230303T130702_C001	Topography (1), Total Geocentric Ocean	Topography (solution 1), the Total Geocentric Ocean Tide (solution 1:
CS_OFFL_SIR_IOPN_2_2020003T1301B_0_2020000T162124_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_IOPN_2_20220003T152918_2020000T162518_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_IOPN_2_20220000T172692_02200000T162518_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_IOPN_2_20220000T172692_02200000T162548_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_IOPN_2_20220000T175935_20220000T160347_C001 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_20220000T16585_20220000T16012_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_IOPN_2_20220000T220815_20220000T211920_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_IOPN_2_20220000T220815_20220000T220840_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) for one or more records CS_OFFL_SIR_IOPN_2_20220000T220840_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) for one or more records CS_OFFL_SIR_IOPN_2_20220000T23721731_20220000T220840_C001 Mean Sea Surface (1) There is an error with the MSS height (solution 1) and	CS_OFFL_SIR_IOPN_2_20230303T135113_20230303T135312_C001	Mean Dynamic Topography (1)	
CS_OFFL_SIR_IOPN_2_20230303TISSIS_20230303TISSIS_02010 Topography (1) Topography height (solution 1) CS_OFFL_SIR_IOPN_2_20230303TISSIS_020303TISSIS_02010 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the 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_20230303TI72629_20230303TI72648_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_IOPN_2_20230303TI72638_20230303T190102_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_20230303T21158_20230303T211920_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_20230303T220915_20230303T220940_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_20230303T221731_20230303T221844_C001 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_20230303T2374744_20230303T234910_C001 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_20230303T140150_20230303T140323_C001		
DS_OFFL_SIR_IOPN_2_20230303116203_202303031172649_001 Topography (1) Topography height (solution 1) CS_OFFL_SIR_IOPN_2_202303031172629_202303031172649_001 Mean Ses Surface (1), Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_IOPN_2_202303031175635_202303031180347_001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_IOPN_2_202303031186688_202303031190102_001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_IOPN_2_202303031186688_202303031190102_001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_IOPN_2_20230303121518_202303031211920_0001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_IOPN_2_202303031220815_202303031220940_0001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_IOPN_2_202303031221731_202303031221844_0001 Mean Sea Surface (1) There is an error with the Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_IOPN_2_202303031234744_202303031234910_0001 Mean Sea Surface (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_IOPN_2_202303031234744_202303031234726_001 Mean Sea Surface (1), Mean Dynamic Topography heig	CS_OFFL_SIR_IOPN_2_20230303T153918_20230303T154124_C001		
CS_OFFL_SIR_IOPN_2_20230303T172635_20230303T172635_20230303T172635_20230303T175635_20230303T175635_20230303T180347_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_IOPN_2_20230303T185656_20230303T190102_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_IOPN_2_20230303T211518_20230303T211920_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_IOPN_2_20230303T22165_20230303T221940_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_IOPN_2_20230303T221731_20230303T221844_C001 Mean Sea Surface (1) There is an error with the Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_IOPN_2_20230303T234744_20230303T2314910_C001 Mean Sea Surface (1) There is an error with the Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_IOPN_2_20230303T234744_20230303T234725_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_IOPN_2_20230303T03172757_20230303T031443_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1)	CS_OFFL_SIR_IOPN_2_20230303T162303_20230303T162518_C001		
CS_OFFL_SIR_IOPN_2_20230303T1/3935_2023033T180347_C001 Iwan Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_IOPN_2_20230303T185858_20230303T190102_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_IOPN_2_20230303T220815_20230303T220940_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_IOPN_2_20230303T220815_20230303T220940_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_IOPN_2_20230303T221731_20230303T221844_C001 Mean Sea Surface (1) There is an error with the Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_IOPN_2_20230303T237244_20230303T234910_C001 Mean Sea Surface (1) There is an error with the Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_IOPN_2_20230303T235422_20230303T235725_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_IOPR_2_20230303T013755_2003 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_IOPR_2_20230303T013443_2023030T014024_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_IOPR_2_20230303T031255_2023030T014024_C0	CS_OFFL_SIR_IOPN_2_20230303T172629_20230303T172848_C001		
CS_OFFL_SIR_IOPN_2_20230303T211518_20230303T211920_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_IOPN_2_20230303T220815_20230303T220940_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_IOPN_2_20230303T221731_20230303T221844_C001 Mean Sea Surface (1) There is an error with the Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_IOPN_2_20230303T23731_20230303T234910_C001 Mean Sea Surface (1) There is an error with the Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_IOPN_2_20230303T234744_20230303T234910_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) for one or more records CS_OFFL_SIR_IOPN_2_20230303T235422_20230303T235725_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_IOPR_2_20230303T01757_20230303T013443_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_IOPR_2_20230303T013443_20230303T013443_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_IOPR_2_20230303T031255_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_IOPR_2_20230303T031255_20230	CS_OFFL_SIR_IOPN_2_20230303T175935_20230303T180347_C001	Mean Dynamic Topography (1)	
CS_OFFL_SIR_IOPN_2_20230303T21158_20230303T220940_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_IOPN_2_20230303T220815_20230303T220940_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_20230303T221731_20230303T221844_C001 Mean Sea Surface (1) There is an error with the MSS height (solution 1) for one or more records CS_OFFL_SIR_IOPN_2_20230303T234744_20230303T234910_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_20230303T235422_20230303T235725_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_IOPN_2_20230303T012757_20230303T013443_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_IOPR_2_20230303T013443_202303T014024_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_IOPR_2_20230303T0312455_2023033T031255_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1)	CS_OFFL_SIR_IOPN_2_20230303T185858_20230303T190102_C001	Mean Dynamic Topography (1)	
CS_OFFL_SIR_IOPN_2_20230303T220731_20230303T221844_C001 Mean Dynamic Topography (1) for one or more records CS_OFFL_SIR_IOPN_2_20230303T221731_20230303T221844_C001 Mean Sea Surface (1) There is an error with the MSS height (solution 1) for one or more records CS_OFFL_SIR_IOPN_2_20230303T234744_20230303T234910_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) for one or more records CS_OFFL_SIR_IOPN_2_20230303T235422_20230303T235725_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_IOPR_2_20230303T012757_20230303T013443_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_IOPR_2_20230303T013443_20230303T014024_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_IOPR_2_20230303T031030726_20230303T031255_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_IOPR_2_20230303T031255_20230303T031255_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_IOPR_2_20230303T031255_20230303T031440_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_IOPR_2_20230303T031255_2023	CS_OFFL_SIR_IOPN_2_20230303T211518_20230303T211920_C001	Mean Dynamic Topography (1)	
CS_OFFL_SIR_IOPN_2_20230303T234744_20230303T234910_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_20230303T235422_20230303T235725_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_IOPR_2_20230303T012757_20230303T013443_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_IOPR_2_20230303T013443_2023003T014024_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_IOPR_2_20230303T03103726_20230303T031255_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_IOPR_2_20230303T031255_2003303T031440_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_IOPR_2_20230303T031255_20230303T031440_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_IOPR_2_20230303T031255_20230303T031440_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_IOPR_2_20230303T031255_20230303T031440_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1). Total There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1). Total <	CS_OFFL_SIR_IOPN_2_20230303T220815_20230303T220940_C001	Mean Dynamic Topography (1)	
CS_OFFL_SIR_IOPN_2_202303031234744_202303031234910_C001 Mean Dynamic Topography (1) for one or more records CS_OFFL_SIR_IOPN_2_20230303T235422_20230303T235725_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_IOPR_2_20230303T012757_20230303T013443_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_IOPR_2_20230303T013443_20230303T014024_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_IOPR_2_20230303T030726_20230303T031255_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_IOPR_2_20230303T031255_2001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_IOPR_2_20230303T031255_2001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_IOPR_2_20230303T031255_20230303T031440_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_IOPR_2_20230303T031255_20230303T031440_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_IOPR_2_20230303T031255_20230303T031440_C001 <td>CS_OFFL_SIR_IOPN_2_20230303T221731_20230303T221844_C001</td> <td>Mean Sea Surface (1)</td> <td>There is an error with the MSS height (solution 1) for one or more records</td>	CS_OFFL_SIR_IOPN_2_20230303T221731_20230303T221844_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CS_OFFL_SIR_IOPR_2_20230303T012757_20230303T013443_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_20230303T013443_2023003T014024_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_20230303T013443_2023003T014024_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_20230303T0300726_2023003T031255_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_20230303T031255_2023003T031440_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_20230303T031255_2023003T031440_C001 Mean Sea Surface (1), Mean Dynamic Topography (1), Total There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)	CS_OFFL_SIR_IOPN_2_20230303T234744_20230303T234910_C001	Mean Dynamic Topography (1)	
CS_OFFL_SIR_IOPR_2_20230303T012/5/_20230303T014024_C001 Topography (1) Topography height (solution 1) CS_OFFL_SIR_IOPR_2_20230303T013443_20230303T014024_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_20230303T030726_20230303T031255_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_20230303T031255_20230303T031255_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_20230303T031255_20230303T031440_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_20230303T031255_2023033T031440_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)	CS_OFFL_SIR_IOPN_2_20230303T235422_20230303T235725_C001		
CS_OFFL_SIR_IOPR_2_20230303T030726_20230303T031255_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_IOPR_2_20230303T031255_20230303T031255_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_IOPR_2_20230303T031255_20230303T031440_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_IOPR_2_20230303T031255_20230303T031440_C001 Mean Dynamic Topography (1), Total There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1), Total	CS_OFFL_SIR_IOPR_2_20230303T012757_20230303T013443_C001		
CS_OFFL_SIR_IOPR_2_20230303T031255_20230303T031240_C001 Topography (1) Topography height (solution 1) CS_OFFL_SIR_IOPR_2_20230303T031255_20230303T031440_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) CS_OFFL_SIR_IOPR_2_20230303T031255_20230303T031240_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) CS_OFFL_SIR_IOPR_2_20230303T031255_20230303T031440_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1)	CS_OFFL_SIR_IOPR_2_20230303T013443_20230303T014024_C001		
CS_OFFL_SIR_IOPR_2_202303031031235_202303031031440_C001 Topography (1) Topography height (solution 1) CS_OFFL_SIR_IOPR_2_2023030310312320_202303031031440_C001 Mean Dynamic Topography (1), Total There is an error with the Mean Dynamic Topography (solution 1) and the	CS_OFFL_SIR_IOPR_2_20230303T030726_20230303T031255_C001		
	CS_OFFL_SIR_IOPR_2_20230303T031255_20230303T031440_C001		
	CS_OFFL_SIR_IOPR_2_20230303T033700_20230303T033913_C001		

CS_OFFL_SIR_IOPR_2_20230303T044731_20230303T044814_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_20230303T044822_20230303T044903_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_20230303T044932_20230303T045129_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_20230303T045129_20230303T045358_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_20230303T062715_20230303T063312_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_20230303T080827_20230303T081333_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_20230303T093626_20230303T093710_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_20230303T093801_20230303T093821_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_20230303T094204_20230303T094351_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_20230303T094725_20230303T095536_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_20230303T112609_20230303T113438_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_20230303T130702_20230303T131401_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_20230303T144603_20230303T145147_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_20230303T162518_20230303T162724_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_20230303T162724_20230303T163201_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_20230303T180347_20230303T180908_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_20230303T194211_20230303T195144_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_20230303T211920_20230303T212654_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_20230303T225827_20230303T230516_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_20230303T230516_20230303T230825_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.

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Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20230303T213740_20230303T213824_C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

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_20230302T235837_20230303T000130_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_20230303T001755_20230303T003740_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_20230303T003951_20230303T004450_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_20230303T005020_20230303T012341_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_20230303T014933_20230303T021227_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_20230303T022203_20230303T022355_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_20230303T023036_20230303T024629_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_20230303T024637_20230303T024818_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_20230303T025300_20230303T030111_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_20230303T030434_20230303T030450_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_20230303T031601_20230303T031852_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_20230303T032048_20230303T033700_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_20230303T033914_20230303T035356_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_20230303T040057_20230303T040308_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_20230303T040354_20230303T040811_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_20230303T040946_20230303T042523_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_20230303T042723_20230303T043644_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_20230303T043720_20230303T044153_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_20230303T044225_20230303T044234_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_20230303T050451_20230303T051158_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_20230303T051200_20230303T051450_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_20230303T052115_20230303T053617_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_20230303T053851_20230303T054713_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_20230303T054919_20230303T060639_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_20230303T060744_20230303T061134_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_20230303T065147_20230303T071526_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_20230303T071751_20230303T071949_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_20230303T072036_20230303T072534_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_20230303T072812_20230303T075408_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_20230303T082703_20230303T085431_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_20230303T085958_20230303T090558_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_20230303T090728_20230303T093614_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_20230303T094351_20230303T094534_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_20230303T095854_20230303T103313_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_20230303T103907_20230303T104430_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_20230303T104606_20230303T105225_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_20230303T112232_20230303T112508_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_20230303T112521_20230303T112609_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_20230303T113840_20230303T114709_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_20230303T114955_20230303T121244_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_20230303T121802_20230303T121911_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_20230303T121916_20230303T122324_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_20230303T122449_20230303T123830_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_20230303T124017_20230303T124604_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_20230303T131711_20230303T135103_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_20230303T135312_20230303T135810_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_20230303T135831_20230303T140150_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_20230303T140414_20230303T140621_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_20230303T140911_20230303T144028_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_20230303T150021_20230303T150751_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_20230303T151335_20230303T153019_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_20230303T153158_20230303T153709_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_20230303T154705_20230303T160052_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_20230303T160331_20230303T161430_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_20230303T164235_20230303T165147_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_20230303T165149_20230303T165253_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_20230303T165433_20230303T170921_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_20230303T171120_20230303T171621_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_20230303T172457_20230303T172629_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_20230303T172848_20230303T173849_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_20230303T174132_20230303T174645_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_20230303T182533_20230303T184840_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_20230303T185157_20230303T185539_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_20230303T190145_20230303T192833_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_20230303T200210_20230303T202802_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_20230303T202940_20230303T203454_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_20230303T203500_20230303T203827_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_20230303T204118_20230303T211518_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_20230303T213730_20230303T213731_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_20230303T215007_20230303T215631_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_20230303T220130_20230303T220757_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_20230303T220941_20230303T221529_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_20230303T222042_20230303T225426_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_20230303T230825_20230303T230911_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_20230303T233031_20230303T233219_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_20230303T233322_20230303T234744_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_20230303T234910_20230303T235422_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_20230303T022356_20230303T023022_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_20230303T040811_20230303T040946_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_20230303T045358_20230303T045502_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_20230303T063312_20230303T063813_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_20230303T111825_20230303T111839_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_20230303T185554_20230303T185600_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_20230303T200016_20230303T200024_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_20230303T203828_20230303T203953_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_20230303T212654_20230303T212729_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_20230303T221529_20230303T221540_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_20230303T012512_20230303T012513_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_20230303T014055_20230303T014933_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_20230303T045629_20230303T045819_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_20230303T050440_20230303T050451_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_20230303T062715_20230303T063312_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_20230303T093626_20230303T093710_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_20230303T121245_20230303T121442_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_20230303T182427_20230303T182532_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_20230303T190103_20230303T190145_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_20230303T231026_20230303T231053_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records

L2 Quality Flags (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.

Product	Test Failed	Description
		The OCOG Range and Backscatter Quality Flags have been set for one or more records

CS_OFFL_SIR_IOPN_2_20230303T004450_20230303T004811_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_20230303T031853_20230303T032023_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_20230303T043644_20230303T043719_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_20230303T044903_20230303T044932_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_20230303T045542_20230303T045628_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_20230303T045819_20230303T050026_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_20230303T051615_20230303T052115_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_20230303T061354_20230303T061741_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_20230303T061817_20230303T061915_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_20230303T063312_20230303T063813_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_20230303T071631_20230303T071751_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_20230303T071949_20230303T072036_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_20230303T072534_20230303T072803_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_20230303T075408_20230303T075557_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_20230303T095536_20230303T095853_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_20230303T103547_20230303T103907_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_20230303T110644_20230303T110828_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_20230303T111718_20230303T111757_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_20230303T111825_20230303T111839_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_20230303T113438_20230303T113756_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_20230303T121442_20230303T121802_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_20230303T122324_20230303T122448_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_20230303T130411_20230303T130702_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_20230303T144502_20230303T144603_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_20230303T153019_20230303T153158_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_20230303T161928_20230303T162113_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

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Color Contr. Contrenter Contretenent Contr. Contr. Contr. Contr. Contr. Contr. Contr	CS_OFFL_SIR_IOPN_2_20230303T164010_20230303T164235_C001		
Color Carl, C	CS_OFFL_SIR_IOPN_2_20230303T172629_20230303T172848_C001		
Cold Charl, Shi Doni Z. 2020000118195. ARXIV:11105197 COVI COCG Basecore Cashy more needs. Cold America Rays Charly RML The OCCO Rays and Rickscatte Cashy Rugs have been and row or investig. Cold America Rays Charly RML The OCCO Rays and Rickscatte Cashy Rugs have been and row or investig. Cold America Rays Charly RML The OCCO Rays and Rickscatte Cashy Rugs have been and row or investig. Cold America Rays Charly RML The OCCO Rays and Rickscatte Cashy Rugs have been and row or investig. Cold America Rays Charly RML The OCCO Rays and Rickscatte Cashy Rugs have been and row or investig. Cold America Rays Charly RML The OCCO Rays and Rickscatte Cashy Rugs have been and row or investig. Cold America Rays Charly RML The OCCO Rays and Rickscatte Cashy Rugs have been and row or investig. Cold America Rays Charly RML The OCCO Rays and Rickscatte Cashy Rugs have been and row or investig. Cold America Rays Charly RML The OCCO Rays and Rickscatte Cashy Rugs have been and row or investig. Cold America Rays Charly RML The OCCO Rays and Rickscatte Cashy Rugs have been and row or investig. Cold America Rays Charly RML The OCCO Rays and Rickscatte Cashy Rugs have been and row or investig. Cold America Rays Charly RML The OCCO Rays and Rickscatte Cashy Rugs have been and row or investig. Cold America Rays Charly RML The OCCO Rays and Rickscatte Cashy Rugs have been and row or investig. Cold FFL SR 10PH 2. 20200007128511, 20200007128501,	CS_OFFL_SIR_IOPN_2_20230303T173849_20230303T174131_C001		
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CGC_PPL_SIPLOPPL_CADSS00116915_L0001 DOOG Hindscatter Cuarty mon mores CS_OFFL_SIPLOPPL_2_20220007120141_2220003716022_0001 DOOG Hindscatter Cuarty The COOG Parge and Backsatter Cuarty Flags have been set for one or mon mores CS_OFFL_SIPLOPPL_2_202200071201282_2020037120030_001 DOOG Hindscatter Cuarty The COOG Parge and Backsatter Cuarty Flags have been set for one or mon mores CS_OFFL_SIPLOPPL_2_202200071201282_2020037210930_001 DOOG Almeter Parge Cuarty Flags The COOG Parge and Backsatter Cuarty Flags have been set for one or mon mores CS_OFFL_SIPLOPPL_2_202200071201282_202003721930_001 DOOG Almeter Parge Saft, SW1 and Backsatter Cuarty Flags have been set for one or mon mores The CoogO Flags and Backsatter Cuarty Flags have been set for one or mon mores CS_OFFL_SIPLOPPL_2_002200072010283_202003721930_001 DOOG Almeter Parge Saft, SW1 and Backsatter Cuarty Flags have been set for one or mon mores The CoogO Almeter Parge Saft, SW1 mod Backsatter Cuarty Flags have been set for one or mon mores CS_OFFL_SIPLOPPL_2_002200071203017_2000717209071 DOOG Almeter Parge SAft, SW1 mod Backsatter Cuarty Flags have been set for one or mon mores The CoogO Reg and Backsatter Cuarty Flags have been set for one or mon mores CS_OFFL_SIPLOPPL_2_002200071203017_200071720917_200071720917_200071720917_200071720917_200071720917_200071720917_200071720917_200071720917_200071720917_200071720917 DOOG Almeter Parge SAft, SW1 mod Backsatter Cuarty Flags have been set for one or mon mores <	CS_OFFL_SIR_IOPN_2_20230303T181959_20230303T182359_C001		
CS_OFR_SR_OPR_20220001100011200122000011000110001100	CS_OFFL_SIR_IOPN_2_20230303T184841_20230303T185157_C001		
CS_DFR_SR_UPP_C_202000012000120001200001200001200001200001200012000120001200012000120001200012000012000012000012000012000012000012000012000012000000	CS_OFFL_SIR_IOPN_2_20230303T193041_20230303T193323_C001		
OCC PFL_SIR_VDPL_2_02200001721516_202200001721500_0001 Comm Attender Range, SPLK, SOWI Comm	CS_OFFL_SIR_IOPN_2_20230303T202827_20230303T202939_C001		
CS_OFFL_SIR_IOPN 2_20230307221518_20230307225603 COM Pitter Could PLIM The OCOO Range and Backscatter Could PLIM The OCOO Range and Backscatter Could PLIM CS_OFFL_SIR_IOPN 2_20230307225603 COM Attrineter Range Could PLIM The OCOO Range and Backscatter Could PLIM The OCOO Range and Backscatter Could PLIM CS_OFFL_SIR_IOPN 2_20230307225607 COM Attrineter Range Could PLIM The OCOO Range and Backscatter Could PLIM CS_OFFL_SIR_IOPN 2_20230307225617 COM Comment Range SALA The OCOO Range and Backscatter Could PLIM CS_OFFL_SIR_IOPN 2_20230307225617 COM Comment Range SALA The OCOO Range and Backscatter Could PLIM CS_OFFL_SIR_IOPN 2_20230307225617 COM Comment Range Could PLIM The OCOO Range and Backscatter Could PLIM CS_OFFL_SIR_IOPN 2_20230307223612 COM Attrineter Range Could PLIM The OCOO Range and Backscatter Could PLIM CS_OFFL_SIR_IOPN 2_2023030723047230471 COM Comment Range Could PLIM The OCOO Range and Backscatter Could PLIM CS_OFFL_SIR_IOPN 2_2023030723474 COM Comment Range Could PLIM The OCOO Range and Backscatter Could PLIM CS_OFFL_SIR_IOPN 2_20230307123474 COM Comment Range Could PLIM The OCOO Range and Backscatter Could PLIM CS_OFFL_SIR_IOPR 2_20230307102347 COM Comment Range Could PLIM The OCOO Range and Backscatter Could PLIM CS_OFFL_SIR_IOPR 2	CS_OFFL_SIR_IOPN_2_20230303T203828_20230303T203953_C001	OCOG Backscatter Quality	
Open Proc. Status Concerns and processing androprocessing and processing andropping and procesing a	CS_OFFL_SIR_IOPN_2_20230303T211518_20230303T211920_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
GS_OFFL_SIR_JOPN_2_20230037225617_20230037225827_0001 and Backcatter Quality_PLM, QOD Allmeder Range Duality PLM, QOD CS_OFFL_SIR_JOPN_2_20230037230911_20230037230957_0001 DOCO Allmeter Range Duality PLM, QOD COOO Backcatter Quality The OCOO Range and Backcatter Quality Flags have been set for one or more records CS_OFFL_SIR_JOPN_2_20230037230912_2023003723091_2023003723091_2023003723091_2023003723091_2023003723091_2023003723091_2023003723091_2023003723091_2023003723091_2020003723091_2020003723091_2020003723091_2020000723091_2020000723091_2020000723091_2020000723091_2020000723091_20200000582_10001 DOCOA Allmeter Range Quality PLM, COCOA Allmeter Range Quality PLM, CS_OFFL_SIR_JOPN_2_202200003723091_20203000723091_2000 The OCOOR Allmeter Range, SHA, SWH and Backcatter Quality Flags have been set for one or more records CS_OFFL_SIR_JOPR_2_2022000371234724_2020000712347_2001 DOCOA Allmeter Range, SHA, SWH and Backcatter Quality Flags have been set for one or more records The OCOOR Allmeter Range, SHA, SWH and Backcatter Quality Flags have been set for one or more records CS_OFFL_SIR_JOPR_2_202200037012341_20200007102347_20001 DOCOA Allmeter Range, SHA, SWH and Backcatter Quality Flags have been set for one run records The OCOOR Allmeter Range, SHA, SWH and Backcatter Quality Flags have been set for one run records CS_OFFL_SIR_JOPR_2_202200037012515_202300037012517_2001 DOCOA Allmeter Range, SHA, SWH and Backcatter Quality Flags have been set for one run records The OCOOR Allmeter Range, SHA, SWH and Backcatter Quality Flags have been set for one run records CS_OFFL_SIR_JOPR_2_202200037012515_202030037012617_2022030037012617_202030037012617_202030037012617	CS_OFFL_SIR_IOPN_2_20230303T225503_20230303T225603_C001		
Concepting Concepting <thconcepting< th=""> Concepting Concepti</thconcepting<>	CS_OFFL_SIR_IOPN_2_20230303T225617_20230303T225827_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OCCOG PrE_SIR_IOPR_2_20230307123474_20230307123474_20230307123474_20230307123474_20230307123474_20230307123474_2023030712347_2001 OCCOG Altimeter Range Quality PLRM, OCCG Altimeter Range Quality PLRM, OCCG Altimeter Range, SSHA, SWH The OCCG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_202303071000321_20230307000503_C001 Altimeter Range, SSHA, SWH The OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been effort and backscatter Quality Flags have been effort and pLRM CS_OFFL_SIR_IOPR_2_20230303T012515_20230303T012517_C001 OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags Altimeter Range, SSHA, SWH and Backscatter Quality Flags Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20230303T012515_20230303T012515_20230303T012443_2023033T01443_C001 Occan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been effort and and more records The Occan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been effort and or more records CS_OFFL_SIR_IOPR_2_20230303T012418_20230303T01241024_C001 Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been effort and or more records The Occan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been effort and or more reco	CS_OFFL_SIR_IOPN_2_20230303T230911_20230303T230957_C001		
CS_OFFL_SIR_IOPR_2_20230303T00321_20230307000503_0001 OCOG Backscatter Quality more records CS_OFFL_SIR_IOPR_2_20230303T000321_20230307000503_0001 Cean Altimeter Range, SSHA, SWH more records CS_OFFL_SIR_IOPR_2_20230303T012341_20230303T012427_C001 Cean Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20230303T012341_20230303T012427_C001 Cocan Altimeter Range Quality PLRM, COCA Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20230303T012515_20230303T012427_C001 COCG Altimeter Range Quality PLRM, COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20230303T012515_20230303T012517_C001 COCG Altimeter Range Quality PLRM, COCG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20230303T012757_20230303T013443_C001 CoCan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20230303T013443_20230303T014024_C001 Cocan Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality Flags and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20230303T0124818_20230303T025300_C001 Cocan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20230303T030124_2023033T030125_C001 Cocan Altimeter Range Quality PLRM, COCG Range and Backscatter Q	CS_OFFL_SIR_IOPN_2_20230303T233012_20230303T233031_C001		
CS_OFFL_SIR_IOPR_2_20230303T000321_20230303T000503_C001 and Backscatter Quality PLRM, QCOG Altimeter Range and Backscatter Quality PLRM, QCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20230303T012341_20230303T012427_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags Altimeter Range and Backscatter Quality PLRM, QCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20230303T012515_20230303T012517_C001 OCOG Altimeter Range, Quality PLRM, QCOG Backscatter Quality PLRM, QCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20230303T012515_20230303T012517_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, QCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20230303T012757_20230303T013443_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, QCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20230303T013443_20230303T014024_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, QCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20230303T024618_20230303T025300_C001 OCCGA Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, QCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20230303T030124_20230303T0303020_C001 OCCGA Altim	CS_OFFL_SIR_IOPN_2_20230303T234744_20230303T234910_C001	OCOG Backscatter Quality	· · ·
GS_OFFL_SIR_IOPR_2_20230303T012341_20230303T012427_C001 and Backscatter Quality PLRM, OCCG Attimeter Range and Backscatter Quality PLRM, OCCG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20230303T0124757_20230303T014024_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG Attimeter Range and Backscatter Quality PLRM, OCCG Attimeter Range ASHA, SWH and Backscatter Qu	CS_OFFL_SIR_IOPR_2_20230303T000321_20230303T000503_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_202303031012515_202303031012517_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_IOPR_2_20230303T012757_20230303T013443_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, Ocean Altimeter Range and Backscatter Quality PLRM, OCGA Altimeter Range Quality PLRM, OCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20230303T030124_20230303T030200_C001 OCCGA Altimeter Range Quality PLRM, OCGG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCGG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20230303T030125_2023030T030327_C001 OCCGA Altimeter Range Quality PLRM, Altimeter Range and Back	CS_OFFL_SIR_IOPR_2_20230303T012341_20230303T012427_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_20230303T012757_20230303T013443_C001 and Backscatter Quality PLRM. OCOG Attimeter Range and Backscatter Quality PLRM. OCOG Attimeter Range and Backscatter Quality Flags have been et for one or more records CS_OFFL_SIR_IOPR_2_20230303T013443_20230303T014024_C001 Ceean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have been et for one or more records The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have been et for one or more records CS_OFFL_SIR_IOPR_2_20230303T024818_20230303T025300_C001 Ceean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have been et for one or more records CS_OFFL_SIR_IOPR_2_20230303T030124_20230303T030125_C001 OCOG Attimeter Range Quality PLRM, OCOG Backscatter 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_20230303T030124_20230303T030200_C001 OCOG Attimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20230303T030245_2023003T030337_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_IOPR_2_20230303T012515_20230303T012517_C001		
CS_OFFL_SIR_IOPR_2_20230303T013443_20230303T014024_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM Ine Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, and Backscatter Quality PLRM CS_OFFL_SIR_IOPR_2_20230303T024818_20230303T025300_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, SSHA, SWH 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 Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20230303T030158_20230303T030125_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20230303T030245_20230303T03037_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range Quality PLRM, DECOG Range and Backscatter Quality Flags have been set for one or set for one or more records	CS_OFFL_SIR_IOPR_2_20230303T012757_20230303T013443_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_20230303T024818_20230303T025300_C001 and Backscatter Quality PLRM, OCOG Ind Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags CS_OFFL_SIR_IOPR_2_20230303T024818_20230303T025300_C001 OCOG Attimeter Range and Backscatter Quality Ind Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags CS_OFFL_SIR_IOPR_2_20230303T030124_20230303T030125_C001 OCOG Attimeter Range Quality PLRM, OCOG The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20230303T030158_20230303T030200_C001 OCOG Attimeter Range Quality PLRM, OCOG Backscatter 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_20230303T030158_20230303T030200_C001 OCOG Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20230303T030245_20230303T030337_C001 Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records The OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20230303T030345_2023003T030337_C001 Occog Attimeter Range Quality PLRM, OCOG Attimeter Range Quality PLRM, OCOG Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20230303T030345_2023003T030345_20230303T030345_2023003T030345_2023003T030345_2023003T030345_2023003T030345_2023003T030443_C001 OC	CS_OFFL_SIR_IOPR_2_20230303T013443_20230303T014024_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_20230303T030158_20230303T030125_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_IOPR_2_20230303T030158_20230303T030200_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_20230303T030245_20230303T030377_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_20230303T030345_20230303T030345_20230303T030413_C001 OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_IOPR_2_20230303T024818_20230303T025300_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_202303031030158_202303031030240_C001 OCOG Backscatter Quality more records CS_OFFL_SIR_IOPR_2_202303031030245_202303031030245_202303037_C001 OCOG Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records CS_OFFL_SIR_IOPR_2_202303031030245_202303031030337_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or DCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or	CS_OFFL_SIR_IOPR_2_20230303T030124_20230303T030125_C001		
CS_OFFL_SIR_IOPR_2_20230303T030245_20230303T030337_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality Flags have been occog Attimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or	CS_OFFL_SIR_IOPR_2_20230303T030158_20230303T030200_C001		
	CS_OFFL_SIR_IOPR_2_20230303T030245_20230303T030337_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_IOPR_2_20230303T030345_20230303T030413_C001		

CS_OFFL_SIR_IOPR_2_20230303T030726_20230303T031255_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_20230303T033700_20230303T033913_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_20230303T042523_20230303T042639_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_20230303T045629_20230303T045819_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_20230303T050026_20230303T050121_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_20230303T050307_20230303T050413_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_20230303T062715_20230303T063312_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_20230303T064642_20230303T064818_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_20230303T080418_20230303T080614_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_20230303T080827_20230303T081333_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_20230303T093801_20230303T093821_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_20230303T094204_20230303T094351_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_20230303T094725_20230303T095536_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_20230303T111907_20230303T112121_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_20230303T112609_20230303T113438_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_20230303T125923_20230303T130135_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_20230303T130702_20230303T131401_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_20230303T144603_20230303T145147_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_20230303T145200_20230303T145318_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_20230303T154125_20230303T154705_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_20230303T160052_20230303T160331_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_20230303T161430_20230303T161625_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_20230303T161722_20230303T161928_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_20230303T162114_20230303T162303_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_20230303T165253_20230303T165433_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_20230303T175623_20230303T175923_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_20230303T194211_202	230303T195144_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_20230303T203953_202	230303T204118_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_20230303T211920_202	230303T212654_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_20230303T212729_202	230303T213158_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_20230303T225827_202	230303T230516_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 rais		ich are summarised below.	
	• •		d. The number of products with this error flag set is given below.
Number of products with errors:	193		
5.0.1.0. Ocean Batracking Quality	Ohaali		
5.8 L2 Ocean Retracking Quality	Спеск		
L2 Retracking Flags (20 Hz)	ality flag for cash 00 Lister	nont record. The bit value of this floor is the	
CryoSat L2 data includes an ocean retracking qua			ates any problems when set. The number of products with this error flag set is given below.
Number of products with errors:	65	rand sea ice, but this is to be expected. Th	te number of products with this error hag set is given below.
L2 Retracking Flags (20 Hz PLRM) CryoSat L2 data includes an ocean retracking qua	ality flag for each 20 Hz PLRM me	easurement record. The bit value of this fla	g indicates any problems when set.
> Ocean Retracking Quality Flag (PLRM): This			this is to be expected. The number of products with this error flag set is
given below.	110		
Number of products with errors:	143		
	6. <mark>IOP</mark> L2 P	Pole-to-Pole Data Quality	Check
6.1 P2P Product Format Check			
Each product, retrieved and unpacked from the s	cience server, is checked to ensu	re it consists of both an XML header file (.t	HDR) and a NetCDF product file (.nc).
Number of products with errors:	0		,
6.2 P2P Product Header Analysis	i .		
For all products, a series of pre-defined checks an	re performed on the MPH and SP	H in order to identify any inconsistencies a	nd/or errors raised by the ground-segment processing chain.
Number of products with errors:	0		
6.3 P2P Auxiliary Data File Usage	e Check		
Each product is checked for missing Data Set De	scriptors with respect to a pre-de	termined baseline and also to check the va	lidity of Auxiliary Data Files is correct.
Number of products with errors:	0		
6.4 P2P Auxiliary Correction Erro	r Check		
For all products, the auxiliary corrections within th			As surface time. All common flams are summarized in the list below.
followed by a table highlighting any additiona			to surface type. All common flags are summarised in the list below,
			neric Corection, Wet Tropospheric Correction, Inverse Barometric P-3) and will be resolved in a future IPF update. The affected products are
> Sea State Bias & Sea State Bias PLRM: The	error value is currently set for pro-	ducts over sea ice, but this is to be expected	ed.
> Mean Sea Surface: The error value is currently	/ set for products over land and se	ea ice, but this is to be expected.	
> Mean Dynamic Topography: The error value i	is currently set for products over l	and 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	ł.
Number of products with errors:	30		
Product		Test Failed	Description
CS_OFFL_SIR_IOP_220230302T235425_202	30303T004403_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOP_220230303T004403_202	:30303T013340_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_220230303T013340_202	:30303T022317_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)

Mean Sea Surface (1), Mean Dynamic Topography (1)

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)

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_20230303T040232_20230303T045209_C001

CS_OFFL_SIR_IOP_2__20230303T031254_20230303T040232_C001

CS_OFFL_SIR_IOP_2_20230303T022317_20230303T031254_C001

There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)

CS_OFFL_SIR_IOP_220230303T045209_20230303T054147_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_220230303T054147_20230303T063124_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_20230303T063124_20230303T072101_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_20230303T072101_20230303T081039_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_20230303T081039_20230303T090016_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_220230303T090016_20230303T094953_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_220230303T094953_20230303T103931_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_220230303T103931_20230303T112908_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_220230303T112908_20230303T121845_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_220230303T121845_20230303T130823_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_220230303T130823_20230303T135800_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_220230303T135800_20230303T144737_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_220230303T144737_20230303T153715_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_220230303T153715_20230303T162652_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_220230303T162652_20230303T171629_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_220230303T171629_20230303T180607_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_220230303T180607_20230303T185544_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_220230303T185544_20230303T194521_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_220230303T194521_20230303T203459_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_220230303T203459_20230303T212436_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_220230303T212436_20230303T221414_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_220230303T221414_20230303T230351_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_220230303T230351_20230303T235328_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_20230303T235328_20230304T004305_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)

6.5 P2P Measurement Confidence Data Check

CryoSat P2P data includes a measurement confidence flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

1

Product		Test Failed	Description
CS_OFFL_SIR_IOP_220230303T212436_20230303	FFL_SIR_IOP_2_20230303T212436_20230303T221414_C001 Power scaling error		There is an error in the scaling of the L1B waveform for one or more records
6.6 P2P Measurement Quality Flag Cl	heck		
P2P Quality Flags (20 Hz)			
CryoSat P2P data includes Quality Flags for each 20 Ha	z, 20 Hz PLRM and 1 Hz me	easurement record, copied from the corres	sponding L2 products.
Since the P2P Quality Flags are copied directly from below.	n the L2 Quality Flags, ple	ase see Section 5.6 for the full list of p	roducts affected. The number of P2P products affected is given
Number of products with errors:	30		
P2P Quality Flags (20 Hz PLRM)			
Since the P2P Quality Flags are copied directly from below.	n the L2 Quality Flags, ple	ase see Section 5.6 for the full list of p	roducts affected. The number of P2P products affected is given
Number of products with errors:	28		

Since the P2P Quality Flags are copied directly from the L2 Quality Flags, please see Section 5.6 for the number of L2 products affected. The number of P2	P products affected is given
below.	

Number of products with errors:

6.8	P2P	Ocean	Retracking	Quality	/ Check
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P2P Retracking Flags (20 Hz)

Cryosat P2P data includes an ocean retracking quality flag (field 19) for each 20 Hz measurement record. The bit value of this flag indicates any problems when set.

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

30

28

30

2130

Number of	products with	orrore.
Number of	products with	enors.

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:

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.

No. Products	No. QCC Reports	No. Valid	No. Warnings	No. Errors
202	202	2	200	0
141	106	5	101	0
106	141	0	141	0
202	202	143	59	0
141	106	43	63	0
106	141	61	79	1
29	29	0	28	1
	202 141 106 202 141 106	202 202 141 106 106 141 202 202 141 106 106 141	202 202 2 141 106 5 106 141 0 202 202 143 141 106 43 106 141 61	202 202 2 200 141 106 5 101 106 141 0 141 202 202 143 59 141 106 43 63 106 141 61 79

7.1 QCC Errors

Number of QCC reports with en	rors:	8								
				Total number	of occurrences	of each error				
Product Type RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_IOPR_2 1	1	1	1							
Product Type RLOBOPNCDF	RL	RLOBOPNCDF	RL	-	-	-	-	-	-	-
SIR_IOP_2_ 1	1	1	1							

Test Description Key:

reat besonption ney.		
Abbreviation	Test name	Details
RLOBOPNCDF	RangeLatitudeOrBlankOP_7NetCDF	Latitude should be between -90E7 and 90E7
RL	RangeLatitude_7	Latitude should be between -90E7 and 90E7
RLOBOPNCDF	RangeLongitudeOrBlankOP_7NetCDF	Longitude should be between -180E7 and 180E7
RL	RangeLongitude_7	Longitude should be between -180E7 and 180E7

7.2 QCC Warnings

Number of QCC reports with warnings

			Total num	ber of occurrences of	each warning		
Product Type	BCSHNCDF	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMN
SIR_IOPM1B	200	0	0	0	0	0	0
SIR_IOPM_2	0	0	45	44	0	46	0
SIR IOPN1B	100	0	0	0	0	0	0
SIR IOPN 2	0	0	11	31	4	25	32
SIR IOPR1B	133	0	0	0	0	0	0
SIR_IOPR_2	0	1	26	40	1	29	22
Product Type	RBSZOPOEPNCDF	RNELPOTONCDF	RPEPOPFDLRMNCDF		CERPEPOPFDPLRMSINNC	DIRPEPOPFDSARNCDF	RPEPOPFDSINNCDF
SIR_IOPM1B	0	0	0	0	0	0	0
SIR_IOPM_2	36	0	37	0	0	0	0
SIR_IOPN1B	0	0	0	0	0	0	0
SIR_IOPN_2	18	1	0	0	22	0	29
SIR_IOPR1B	0	0	0	0	0	0	0
SIR_IOPR_2	8	2	0	38	0	43	0
	•					*	•
Product Type	RPEPOPLRMNCDF	RPEPOPSARNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF	RSSHAONCDF
SIR_IOPM1B	0	0	0	0	0	0	0
SIR_IOPM_2	27	0	0	8	27	0	3
SIR_IOPN1B	0	0	0	0	0	0	0
SIR IOPN 2	0	0	26	15	45	50	28
SIR IOPR1B	0	0	0	0	0	0	0
SIR_IOPR_2	0	36	0	4	53	30	8
	1			4	1	4	
Product Type	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCI	DF RSWHOEPNCDF	SPHRTASCNSNCDF	SPHRTASCNSNCDF	SOOHHIFHD	SCSTODHRNCDF
SIR_IOPM1B	0	0	0	1	1	0	0
SIR IOPM 2	34	0	2	1	1	0	0
SIR IOPN1B	0	0	0	0	0	0	47
SIR IOPN 2	32	30	11	0	0	0	0
SIR IOPR1B	0	0	0	0	0	0	141
SIR IOPR 2	30	39	1	1	1	2	0
Product Type	IOHHMOOR	MVIOEPFDNCDF	MVIOEPNCDF	MVIONCDF	RBSZOPOEPFDNCDF	RBSZOPOEPFDPLRMNC	DRBSZOPOEPNCDF
SIR_IOP_2_	17	27	28	4	28	17	27
Product Type	RNELPOTONCDF	RPEPOPFDPLRMSINN	CDIRPEPOPFDSINNCDF	RPEPOPSINNCDF	RSSBCONCDF	RSSHAOFDNCDF	RSSHAOFDPLRMNCDF
SIR_IOP_2_	3	16	26	22	13	29	16
	DOOLLA ON ODE	DOWNOEDEDNODE		E DOWLOEDNODE			
Product Type	RSSHAONCDF	RSWHOEPFDNCDF	RSWHOEPFDPLRMNCD		SPHLPQWNCDF	-	-
SIR_IOP_2_	21	29	17	11	29		
Droduct Ture		_	_		_		-
Product Type		-		-		-	-
SIR IOP 2							

Test Description Key:							
Abbreviation	Test name	Details					
BCSHNCDF	BurstCounterStep20HzNetCDF	The burst counter should be one higher with regard to the previous burst counter					
IOHHMOOR	IndexOf1Hzin20HzMappingOutOfRange	The mapping of 20 Hz to 1 Hz measurements should be in the range 0 to (number of 1 Hz samples - 1)					
MVIOEPFDNCDF	MissingValueIntOceanExcludingPolarFD2NetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees					
MVIOEPNCDF	MissingValueIntOceanExcludingPolarNetCDF	The value should not be a 'missing value' for surface type 0 only for latitudes between -70 and 70 degrees					
MVIONCDF	MissingValueIntOceanNetCDF	The value should not be a 'missing value' for surface type 0 only					
RBSZOPOEPFDNCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2NetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RBSZOPOEPFDPLRM NCDF	RangeBackscatterSigmaZeroOPOceanExcludingPolarFD2PLRMNetCDF	The backscatter sigma zero should be between 700 and 7500 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
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					
RNELPOTONCDF	RangeNELPOceanTideOceanNetCDF	The Non-equilibrium long period ocean loading tide height should be between -40mm and 40mm (or missing) for surface type = ocean					
RPEPOPFDLRMNCDF	RangePeakinessExcludingPolarOPFD2LRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDPLRMSAR NCDF	RangePeakinessExcludingPolarOPFD2PLRMSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDPLRMSINN CDF	RangePeakinessExcludingPolarOPFD2PLRMSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDSARNCDF	RangePeakinessExcludingPolarOPFD2SARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPFDSINNCDF	RangePeakinessExcludingPolarOPFD2SINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPLRMNCDF	RangePeakinessExcludingPolarOPLRMNetCDF	The Peakiness should be between 0 and 6400 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPSARNCDF	RangePeakinessExcludingPolarOPSARNetCDF	The Peakiness should be between 0 and 15000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RPEPOPSINNCDF	RangePeakinessExcludingPolarOPSINNetCDF	The Peakiness should be between 0 and 90000 (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
RSSBCONCDF	RangeSeaStateBiasCorrectionOceanNetCDF	The sea state bias correction should be between -500mm and 0mm (or missing) for surface type = ocean					
RSSHAOFDNCDF	RangeSeaSurfaceHeightAnomalyOceanFD3NetCDF	The sea surface height anomaly should be between -3000mm and 3000mm (or missing) for surface type = ocean					
RSSHAOFDPLRMNCD F	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 DF	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	RangeSignificantWaveHeightOceanExcludingPolarNetCDF	The significant wave height should be between 0mm and 15000mm (or missing) for surface type = ocean for latitudes between -70 and 70 degrees					
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Start_v2_NetCDF	Rel_Time_ASC_Node_Start mismatch (DBL ASC, rounded up to 0.1)					
SPHRTASCNSNCDF	SPH_Rel_Time_ASC_Node_Stop_v2_NetCDF	Rel_Time_ASC_Node_Stop mismatch					
SOOHHIFHD	SameOrOneHigher1HzIndexFor20HzData	The 1 Hz index of a 20 Hz sample should be the same or 1 higher than its previous sample					
SCSTODHRNCDF	SequenceCounterStepTODHRNetCDF	The sequence counter should be modulo 4 higher with regard to the previous sequence counter					

7.3 Missing QCC Reports

Number of products with missing QCC reports:

1

L1B and L2 Product name n/a

P2P Product name CS_OFFL_SIR_IOP_2_20230303T230351_20230303T235328_C002