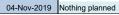


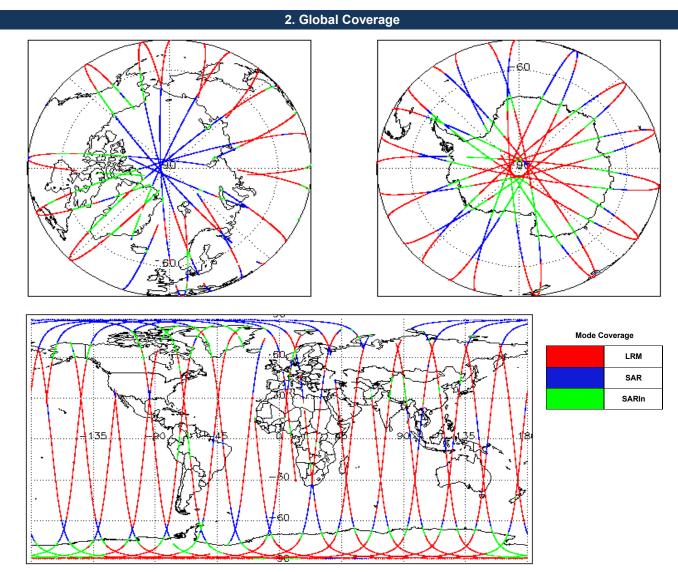
IDEAS+ Daily Report for NOP data:

<u>03/11/2019</u>

1. Overview				
Report Production:	04-Nov-2019	Check	L1 & L2	
Report Production.	04-100-2019	Server check: science-pds.cryosat.esa.int	Nominal	
Processor Used:	Cruce Cat Occar Drasses	Server check: calval-pds.cryosat.esa.int	Nominal	
Processor Used:	CryoSat Ocean Processor	Product Software Check	Nominal	
Data Used:	Near Real Time Ocean Products (NOP)	Product Format Check	Nominal	
Data Used:	L1B & L2 Science Data	Product Header Analysis	Nominal	
		Auxiliary Data File Usage Check	Nominal	
		Auxiliary Correction Error Check	See Section 5.4	
		Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5	
		Measurement Quality Flag Check	See Section 5.6	
		Ocean Retracking Quality Check	See Section 5.7	

02-Nov-2019 None 03-Nov-2019 None





3. Instrument Configuration

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

SIRAL instrument(s) in use:

SIRAL - A

0

4. NOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

4.2 L1B Product Header Analysis		
or all products, a series of pre-defined checks are performed on the MPH and	SPH in order to identify any inconsist	tencies and/or errors raised by the ground-segment processing chain.
1B Processing Quality HR: The I1b_proc_flag_hr flag is currently set all L1E DSARIn chains. A modification is required in the next release.	BIOPR and IOPN products because the	ne I1b_processing_quality_hr field is not correctly configured in the OSAR and
lumber of products with errors: 0		
I.3 L1B Auxilary Data File Usage Check		
ach product is checked for missing Data Set Descriptors with respect to a pre	-determined baseline and also to che	ck the validity of Auxiliary Data Files is correct.
Dynamic Atmospheric Correction: The DAC is missing in all products becau	se the auxiliary files required are not a	available in time for processing. This known and expected behaviour.
lumber 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 indicates a	ny problems when set.
lumber of products with errors: 0	-	
I.5 L1B Measurement Confidence Data Check		
	pont record. The hit value of this flag in	adjectos any problems when set
CryoSat L1B data includes a measurement confidence flag for each measurem Attitude Correction Missing: This flag is currently set in error for NOPR pro	-	
Autuale Correction Missing: This hag is currently set in error for NOPR pro Aumber of products with errors: 1	aucio due lo a configuration issue. If	no ro bonny miveolityaleu anu win be upudleu in the hext ow upudle.
Product	Test Failed	Description There is an error in the scaling of the L1B waveform for one or more
S_OFFL_SIR_NOPM1B_20191103T155232_20191103T160709_C001	Power scaling error	records
4.6 L1B Waveform Group Data Check		
waCat I 1D data includes a wayofarma data flam fan asah masan waranan incand	The hit value of this flag indicates or	w nuclear when ant
CryoSat L1B data includes a waveform data flag for each measurement record	. The bit value of this flag indicates ar	y problems when set.
CryoSat L1B data includes a waveform data flag for each measurement record Loss of Echo Flag: This flag is currently set for products over land, but this is	-	ly problems when set.
Loss of Echo Flag: This flag is currently set for products over land, but this	-	ly problems when set.
Loss of Echo Flag: This flag is currently set for products over land, but this lumber of products with errors: 19	-	by problems when set. Description
Loss of Echo Flag: This flag is currently set for products over land, but this i lumber of products with errors: 19 roduct	is to be expected.	
Loss of Echo Flag: This flag is currently set for products over land, but this lumber of products with errors: 19 roduct cs_OFFL_SIR_NOPM1B_20191103T050722_20191103T051957_C001	is to be expected.	Description
Loss of Echo Flag: This flag is currently set for products over land, but this is lumber of products with errors: 19 Product PS_OFFL_SIR_NOPM1B_20191103T050722_20191103T051957_C001 PS_OFFL_SIR_NOPM1B_20191103T130508_20191103T134026_C001	is to be expected. Test Failed Loss of Echo	Description The tracking echo is missing for one or more records
Loss of Echo Flag: This flag is currently set for products over land, but this is lumber of products with errors: 19 roduct SS_OFFL_SIR_NOPM1B_20191103T050722_20191103T051957_C001 SS_OFFL_SIR_NOPM1B_20191103T130508_20191103T134026_C001 SS_OFFL_SIR_NOPM1B_20191103T150615_20191103T151714_C001	is to be expected. Test Failed Loss of Echo Loss of Echo	Description The tracking echo is missing for one or more records The tracking echo is missing for one or more records
Loss of Echo Flag: This flag is currently set for products over land, but this is lumber of products with errors: 19 Product 19 SS_OFFL_SIR_NOPM1B_20191103T050722_20191103T051957_C001 35 SS_OFFL_SIR_NOPM1B_20191103T130508_20191103T134026_C001 35 SS_OFFL_SIR_NOPM1B_20191103T150615_20191103T151714_C001 35 SS_OFFL_SIR_NOPM1B_20191103T155232_20191103T160709_C001 35	is to be expected. Test Failed Loss of Echo Loss of Echo Loss of Echo	Description The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records
Loss of Echo Flag: This flag is currently set for products over land, but this is lumber of products with errors: 19 Product 19 Sc_OFFL_SIR_NOPM1B_20191103T050722_20191103T051957_C001 20 Sc_OFFL_SIR_NOPM1B_20191103T130508_20191103T134026_C001 20 Sc_OFFL_SIR_NOPM1B_20191103T150615_20191103T151714_C001 20 Sc_OFFL_SIR_NOPM1B_20191103T155232_20191103T160709_C001 20 Sc_OFFL_SIR_NOPM1B_20191103T171346_20191103T172805_C001 20	Test Failed Loss of Echo	Description The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records
Loss of Echo Flag: This flag is currently set for products over land, but this	Test Failed Loss of Echo	Description The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records
Loss of Echo Flag: This flag is currently set for products over land, but this is lumber of products with errors: 19 Product 19 SS_OFFL_SIR_NOPM1B_20191103T050722_20191103T051957_C001 25 CS_OFFL_SIR_NOPM1B_20191103T130508_20191103T134026_C001 25 CS_OFFL_SIR_NOPM1B_20191103T150615_20191103T151714_C001 25 CS_OFFL_SIR_NOPM1B_20191103T155232_20191103T160709_C001 25 CS_OFFL_SIR_NOPM1B_20191103T171346_20191103T172805_C001 25 CS_OFFL_SIR_NOPN1B_20191103T030441_20191103T030626_C001 25 COFFL_SIR_NOPN1B_20191103T0304456_20191103T035005_C001 25	is to be expected. Test Failed Loss of Echo	Description The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records
Loss of Echo Flag: This flag is currently set for products over land, but this is lumber of products with errors: 19 Product 19 Sc_OFFL_SIR_NOPM1B_20191103T050722_20191103T051957_C001 25 COFFL_SIR_NOPM1B_20191103T130508_20191103T134026_C001 25 COFFL_SIR_NOPM1B_20191103T150615_20191103T151714_C001 25 COFFL_SIR_NOPM1B_20191103T155232_20191103T160709_C001 25 COFFL_SIR_NOPM1B_20191103T171346_20191103T172805_C001 25 COFFL_SIR_NOPN1B_20191103T030441_20191103T030626_C001 25	is to be expected. Test Failed Loss of Echo	Description The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records The tracking echo is missing for one or more records
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Loss of Echo Flag: This flag is currently set for products over land, but this is number of products with errors: 19 roduct S_OFFL_SIR_NOPM1B_20191103T050722_20191103T051957_C001 S_OFFL_SIR_NOPM1B_20191103T130508_20191103T134026_C001 S_OFFL_SIR_NOPM1B_20191103T150615_20191103T151714_C001 S_OFFL_SIR_NOPM1B_20191103T155232_20191103T160709_C001 S_OFFL_SIR_NOPM1B_20191103T030441_20191103T030626_C001 S_OFFL_SIR_NOPN1B_20191103T052432_20191103T052902_C001 S_OFFL_SIR_NOPN1B_20191103T052432_20191103T052902_C001 S_OFFL_SIR_NOPN1B_20191103T052432_20191103T052902_C001 S_OFFL_SIR_NOPN1B_20191103T052432_20191103T052902_C001 S_OFFL_SIR_NOPN1B_20191103T160757_20191103T160936_C001 S_OFFL_SIR_NOPN1B_20191103T184626_20191103T160936_C001 S_OFFL_SIR_NOPN1B_20191103T030118_20191103T030954_C001 S_OFFL_SIR_NOPN1B_20191103T03118_20191103T030954_C001 S_OFFL_SIR_NOPR1B_20191103T0772_20191103T021532_C001 S_OFFL_SIR_NOPR1B_20191103T07724_20191103T071230_C001 S_OFFL_SIR_NOPR1B_20191103T07724_20191103T0125155_C001	Test Failed Loss of Echo	Description The tracking echo is missing for one or more records The tracking echo
Loss of Echo Flag: This flag is currently set for products over land, but this is lumber of products with errors: 19 roduct S_OFFL_SIR_NOPM1B_20191103T050722_20191103T051957_C001 S_OFFL_SIR_NOPM1B_20191103T130508_20191103T134026_C001 S_OFFL_SIR_NOPM1B_20191103T150615_20191103T151714_C001 S_OFFL_SIR_NOPM1B_20191103T155232_20191103T160709_C001 S_OFFL_SIR_NOPM1B_20191103T030441_20191103T030626_C001 S_OFFL_SIR_NOPN1B_20191103T030441_20191103T030626_C001 S_OFFL_SIR_NOPN1B_20191103T052432_20191103T052902_C001 S_OFFL_SIR_NOPN1B_20191103T052432_20191103T052902_C001 S_OFFL_SIR_NOPN1B_20191103T052432_20191103T153320_C001 S_OFFL_SIR_NOPN1B_20191103T160757_20191103T160936_C001 S_OFFL_SIR_NOPN1B_20191103T184626_20191103T169936_C001 S_OFFL_SIR_NOPN1B_20191103T03118_20191103T030954_C001 S_OFFL_SIR_NOPN1B_20191103T021057_20191103T021532_C001 S_OFFL_SIR_NOPR1B_20191103T070724_20191103T071230_C001 S_OFFL_SIR_NOPR1B_20191103T124728_20191103T125155_C001 S_OFFL_SIR_NOPR1B_20191103T124728_20191103T164032_C001	Test Failed Loss of Echo	Description The tracking echo is missing for one or more records The tracking echo
Loss of Echo Flag: This flag is currently set for products over land, but this is lumber of products with errors: 19 roduct S_OFFL_SIR_NOPM1B_20191103T050722_20191103T051957_C001 S_OFFL_SIR_NOPM1B_20191103T130508_20191103T134026_C001 S_OFFL_SIR_NOPM1B_20191103T150615_20191103T151714_C001 S_OFFL_SIR_NOPM1B_20191103T155232_20191103T160709_C001 S_OFFL_SIR_NOPM1B_20191103T030441_20191103T030626_C001 S_OFFL_SIR_NOPN1B_20191103T030441_20191103T030626_C001 S_OFFL_SIR_NOPN1B_20191103T034856_20191103T052902_C001 S_OFFL_SIR_NOPN1B_20191103T052432_20191103T052902_C001 S_OFFL_SIR_NOPN1B_20191103T052432_20191103T153320_C001 S_OFFL_SIR_NOPN1B_20191103T160757_20191103T160936_C001 S_OFFL_SIR_NOPN1B_20191103T184626_20191103T184940_C001 S_OFFL_SIR_NOPN1B_20191103T08118_20191103T08954_C001 S_OFFL_SIR_NOPN1B_20191103T070724_20191103T071230_C001 S_OFFL_SIR_NOPR1B_20191103T070724_20191103T125155_C001 S_OFFL_SIR_NOPR1B_20191103T163837_20191103T164032_C001 S_OFFL_SIR_NOPR1B_20191103T163837_20191103T170219_C001 S_OFFL_SIR_NOPR1B_20191103T163837_20191103T170219_C001 S_OFFL_SIR_NOPR1B_20191103T163837_20191103T170219_C001 S_OFFL_SIR_NOPR1B_20191103T163837_20191103T170219_C001 S_OFFL_SIR_NOPR1B_20191103T163837_20191103T170219_C001 S_OFFL_SIR_NOPR1B_20191103T163837_20191103T170219_C001 S_OFFL_SIR_NOPR1B_20191103T163837_20191103T170219_C001 S_OFFL_SIR_NOPR1B_20191103T163837_20191103T170219_C001 S_OFFL_SIR_NOPR1B_20191103T163837_20191103T170219_C001 S_OFFL_SIR_NOPR1B_20191103T163837_20191103T170219_C001 S_OFFL_SIR_NOPR1B_20191103T163837_20191103T170219_C001 S_OFFL_SIR_NOPR1B_20191103T163837_20191103T170219_C001 S_OFFL_SIR_NOPR1B_20191103T163837_20191103T170219_C001 S_OFFL_SIR_NOPR1B_20191103T163837_20191103T170219_C001 S_OFFL_SIR_NOPR1B_20191103T163837_20191103T164032_C001 S_OFFL_SIR_NOPR1B_20191103T163837_20191103T164032_C001 S_OFFL_SIR_NOPR1B_20191103T163837_20191103T164032_C001 S_OFFL_SIR_NOPR1B_20191103T163837_20191103T164032_C001 S_OFFL_SIR_NOPR1B_20191103T163837_20191103T164032_C001 S_OFFL_SIR_NOPR1B	Test Failed Loss of Echo	Description The tracking echo is missing for one or more records The tracking echo
Loss of Echo Flag: This flag is currently set for products over land, but this is lumber of products with errors: 19 Product 19 S2_OFFL_SIR_NOPM1B_20191103T050722_20191103T051957_C001 25 25_OFFL_SIR_NOPM1B_20191103T130508_20191103T134026_C001 25 25_OFFL_SIR_NOPM1B_20191103T150615_20191103T151714_C001 25 25_OFFL_SIR_NOPM1B_20191103T155232_20191103T160709_C001 25 25_OFFL_SIR_NOPM1B_20191103T155232_20191103T160709_C001 25 25_OFFL_SIR_NOPM1B_20191103T030441_20191103T030626_C001 25 25_OFFL_SIR_NOPN1B_20191103T030441_20191103T035005_C001 25 25_OFFL_SIR_NOPN1B_20191103T052432_20191103T052902_C001 25 25_OFFL_SIR_NOPN1B_20191103T153206_20191103T153320_C001 25 25_OFFL_SIR_NOPN1B_20191103T160757_20191103T160936_C001 25 25_OFFL_SIR_NOPN1B_20191103T03118_20191103T030954_C001 25 25_OFFL_SIR_NOPR1B_20191103T070724_20191103T071230_C001 25 25_OFFL_SIR_NOPR1B_20191103T160357_20191103T125155_C001 25 25_OFFL_SIR_NOPR1B_20191103T163837_20191103T164032_C001 25 25_OFFL_SIR_NOPR1B_20191103T163837_20191103T164032_C001 25 25_OFFL_SIR_NOPR1B_20191103T163837_20191103T160032_C001 25 <t< td=""><td>Test Failed Loss of Echo Loss of Echo</td><td>Description The tracking echo is missing for one or more records The tracking echo</td></t<>	Test Failed Loss of Echo	Description The tracking echo is missing for one or more records The tracking echo
Loss of Echo Flag: This flag is currently set for products over land, but this is lumber of products with errors: 19 Product 19 SS_OFFL_SIR_NOPM1B_20191103T050722_20191103T051957_C001 55 SS_OFFL_SIR_NOPM1B_20191103T130508_20191103T134026_C001 55 SS_OFFL_SIR_NOPM1B_20191103T150615_20191103T151714_C001 55 SS_OFFL_SIR_NOPM1B_20191103T155232_20191103T160709_C001 55 SS_OFFL_SIR_NOPM1B_20191103T155232_20191103T160709_C001 55 SS_OFFL_SIR_NOPM1B_20191103T030441_20191103T030626_C001 55 SS_OFFL_SIR_NOPN1B_20191103T030441_20191103T035005_C001 55 SS_OFFL_SIR_NOPN1B_20191103T052432_20191103T052902_C001 55 SS_OFFL_SIR_NOPN1B_20191103T052432_20191103T16036_C001 55 SS_OFFL_SIR_NOPN1B_20191103T160757_20191103T160936_C001 55 SS_OFFL_SIR_NOPN1B_20191103T04552 50191103T030954_C001 SS_OFFL_SIR_NOPR1B_20191103T021057_20191103T021532_C001 55 SS_OFFL_SIR_NOPR1B_20191103T070724_20191103T125155_C001 55 SS_OFFL_SIR_NOPR1B_20191103T164337_20191103T164032_C001 55 SS_OFFL_SIR_NOPR1B_20191103T164337_20191103T160432_C001 55 SS_OFFL_SIR_NOPR1B_20191103T174740_20191103T175014_C001 55 SS	Test Failed Loss of Echo	DescriptionThe tracking echo is missing for one or more recordsThe tracking echo is missing for one or m
Loss of Echo Flag: This flag is currently set for products over land, but this is umber of products with errors: 19 roduct S_OFFL_SIR_NOPM1B_20191103T050722_20191103T051957_C001 S_OFFL_SIR_NOPM1B_20191103T150615_20191103T151714_C001 S_OFFL_SIR_NOPM1B_20191103T155232_20191103T160709_C001 S_OFFL_SIR_NOPM1B_20191103T155232_20191103T160709_C001 S_OFFL_SIR_NOPM1B_20191103T030441_20191103T030626_C001 S_OFFL_SIR_NOPN1B_20191103T052432_20191103T052902_C001 S_OFFL_SIR_NOPN1B_20191103T052432_20191103T052902_C001 S_OFFL_SIR_NOPN1B_20191103T052432_20191103T052902_C001 S_OFFL_SIR_NOPN1B_20191103T160757_20191103T160936_C001 S_OFFL_SIR_NOPN1B_20191103T160757_20191103T160936_C001 S_OFFL_SIR_NOPN1B_20191103T160757_20191103T03954_C001 S_OFFL_SIR_NOPN1B_20191103T021057_20191103T021532_C001 S_OFFL_SIR_NOPR1B_20191103T070724_20191103T071230_C001 S_OFFL_SIR_NOPR1B_20191103T124728_20191103T07230_C001 S_OFFL_SIR_NOPR1B_20191103T124728_20191103T125155_C001 S_OFFL_SIR_NOPR1B_20191103T124728_20191103T1247294_C001 S_OFFL_SIR_NOPR1B_20191103T124728_20191103T1247294_C001 S_OFFL_SIR_NOPR1B_20191103T124728_20191103T1247294_C001 S_OFFL_SIR_NOPR1B_20191103T124728_20191103T1247294_C001 S_OFFL_SIR_NOPR1B_20191103T124728_20191103T1247294_C001 S_OFFL_SIR_NOPR1B_20191103T124728_20191103T1247294_C001 S_OFFL_SIR_NOPR1B_20191103T124728_20191103T1247294_C001 S_OFFL_SIR_NOPR1B_20191103T124728_20191103T1247294_C001	Test Failed Loss of Echo	DescriptionThe tracking echo is missing for one or more recordsThe tracking echo is missing for one or m
Loss of Echo Flag: This flag is currently set for products over land, but this is tumber of products with errors: 19 roduct S_OFFL_SIR_NOPM1B_20191103T050722_20191103T051957_C001 S_OFFL_SIR_NOPM1B_20191103T130508_20191103T151714_C001 S_OFFL_SIR_NOPM1B_20191103T150615_20191103T151714_C001 S_OFFL_SIR_NOPM1B_20191103T155232_20191103T160709_C001 S_OFFL_SIR_NOPM1B_20191103T030441_20191103T030626_C001 S_OFFL_SIR_NOPN1B_20191103T030441_20191103T030505_C001 S_OFFL_SIR_NOPN1B_20191103T052432_20191103T052902_C001 S_OFFL_SIR_NOPN1B_20191103T052432_20191103T052902_C001 S_OFFL_SIR_NOPN1B_20191103T160757_20191103T160936_C001 S_OFFL_SIR_NOPN1B_20191103T160757_20191103T160936_C001 S_OFFL_SIR_NOPN1B_20191103T06057_20191103T030954_C001 S_OFFL_SIR_NOPN1B_20191103T021057_20191103T021532_C001 S_OFFL_SIR_NOPN1B_20191103T021057_20191103T021532_C001 S_OFFL_SIR_NOPR1B_20191103T070724_20191103T012532_C001 S_OFFL_SIR_NOPR1B_20191103T070724_20191103T071230_C001 S_OFFL_SIR_NOPR1B_20191103T124728_20191103T071230_C001 S_OFFL_SIR_NOPR1B_20191103T124728_20191103T164032_C001 S_OFFL_SIR_NOPR1B_20191103T124728_20191103T164032_C001 S_OFFL_SIR_NOPR1B_20191103T124728_20191103T164032_C001 S_OFFL_SIR_NOPR1B_20191103T124728_20191103T125155_C001 S_OFFL_SIR_NOPR1B_20191103T124728_20191103T124729_C001 S_OFFL_SIR_NOPR1B_20191103T124728_20191103T124729_C001 S_OFFL_SIR_NOPR1B_20191103T124728_20191103T124729_C001 S_OFFL_SIR_NOPR1B_20191103T174740_20191103T172019_C001 S_OFFL_SIR_NOPR1B_20191103T174740_20191103T175014_C001 S_OFFL_SIR_NOPR1B_20191103T232603_20191103T232949_C001	Test Failed Loss of Echo	DescriptionThe tracking echo is missing for one or more recordsThe tracking echo is missing for one or m
Loss of Echo Flag: This flag is currently set for products over land, but this is lumber of products with errors: 19 Product 19 S2_OFFL_SIR_NOPM1B_20191103T050722_20191103T051957_C001 25 25_OFFL_SIR_NOPM1B_20191103T130508_20191103T134026_C001 25 25_OFFL_SIR_NOPM1B_20191103T150615_20191103T151714_C001 25 25_OFFL_SIR_NOPM1B_20191103T155232_20191103T160709_C001 25 25_OFFL_SIR_NOPM1B_20191103T155232_20191103T160709_C001 25 25_OFFL_SIR_NOPM1B_20191103T030441_20191103T030626_C001 25 25_OFFL_SIR_NOPN1B_20191103T030441_20191103T035005_C001 25 25_OFFL_SIR_NOPN1B_20191103T052432_20191103T052902_C001 25 25_OFFL_SIR_NOPN1B_20191103T052432_20191103T16036_C001 25 25_OFFL_SIR_NOPN1B_20191103T160757_20191103T160936_C001 25 25_OFFL_SIR_NOPN1B_20191103T04626_20191103T184940_C001 25 25_OFFL_SIR_NOPR1B_20191103T021057_20191103T030954_C001 25 25_OFFL_SIR_NOPR1B_20191103T070724_20191103T071230_C001 25 25_OFFL_SIR_NOPR1B_20191103T164337_20191103T164032_C001 25 25_OFFL_SIR_NOPR1B_20191103T164337_20191103T164032_C001 25 25_OFFL_SIR_NOPR1B_20191103T174740_20191103T175014_C001 25 <td< td=""><td>Test Failed Loss of Echo Loss of Echo</td><td>Description The tracking echo is missing for one or more records The tracking echo</td></td<>	Test Failed Loss of Echo	Description The tracking echo is missing for one or more records The tracking echo

Number of products with errors:

5.2 L2 Product Header Analysis

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For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. Number of products with errors: 0

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

0

0

5.4 L2 Auxiliary Correction Error Check

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

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

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

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

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

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

The (6C) (column 1-CC) from own more records CB_OFFL_SIR_NOPN_2_20191103T062207_20191103T062408_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an entry with the MSS height (column 1) for on the one of more records CB_OFFL_SIR_NOPN_2_20191103T0620426_C001 Mean Dynamic Topography (1) There is an entry with the MSS height (column 1) for one or more records CB_OFFL_SIR_NOPN_2_20191103T060426_C001 Mean Dynamic Topography (1) There is an entry with the MSS height (column 2) for one or more records CB_OFFL_SIR_NOPN_2_20191103T101222_D011101101222_D011 Mean Dynamic Topography (1) There is an entry with the MSS height (column 2) for one or more records CB_OFFL_SIR_NOPN_2_20191103T123250_C001 Mean Dynamic Topography (1) There is an entry with the MSS height (column 2) for one or more records CB_OFFL_SIR_NOPN_2_20191103T142260_D0191103T13012_C001 Mean Dynamic Topography (1) There is an entry with the MSS height (column 2) for one or more records CB_OFFL_SIR_NOPN_2_20191103T142426_D0191103T14329_C001 Mean Dynamic Topography (1) There is an entry with MASS height (column 1) for one or more records CB_OFFL_SIR_NOPN_2_20191103T142426_D0191103T14339_C001 Mean Dynamic Topography (1) There is an entry with MASS height (column 1) for one or more records CB_OFFL_SIR_NOPN_2_20191103T142576_20191103T142596_C001 Mean Dynamic Topography (1) There is an entry wi	Product	Test Failed	Description
 Cort, S.R. NOH, 2. 2019 10322429 (2019) 10312212. Cort, S.R. NOH, 2. 2019 103212202 (2019) 10312252. Cort, S.R. NOH, 2. 2019 103122022 (2019) 10312252. Cort, S.R. NOH, 2. 2019 103124522. Cort, S.R. NOH, 2. 2019 10312422. Cort, S.R. NOH, 2. 2019 103112422. Cort, S.R. NOH, 2. 2019 103112422.<td>CS_OFFL_SIR_NOPM_2_20191103T171346_20191103T172805_C001</td><td>Mean Dynamic Topography (1)</td><td></td>	CS_OFFL_SIR_NOPM_2_20191103T171346_20191103T172805_C001	Mean Dynamic Topography (1)	
CAL_GAPU_GRU_NUM2_N0111101101723_001111011012000_0011 Image See Dates (1) New Dates in Company Party Instantion (1) we are or new construction (1) we are	CS_OFFL_SIR_NOPM_2_20191103T232949_20191103T233035_C001	Mean Dynamic Topography (1)	
Control Trouggapy (1) Trouggapy (2) Trouggapy (2)<	CS_OFFL_SIR_NOPN_2_20191103T003048_20191103T003117_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CB_OFTL_SRI_NOPL_2.2010103T00035_0011103T00035_0011 Description (Communication (C	CS_OFFL_SIR_NOPN_2_20191103T012723_20191103T012835_C001		
Call, Start, Start, Start, NoPk, 2, 2011 1031102002, 2011 Transparty (1) Transparty (1) Call, Start, NoPk, 2, 2011 1031103203, 2011 Transparty (1) Transparty (1) Call, Start, NoPk, 2, 2011 1031103203, 2011 Transparty (1) Transparty (1) Call, Start, NoPk, 2, 2011 1031103203, 2011 Transparty (1) Transparty (1) Call, Start, Start, NoPk, 2, 2011 1031103203, 2011 Transparty (1) Transparty (1) Call, Start, Start, NoPk, 2, 2011 1031103202, 2011 Transparty (1) Transparty (1) Call, Start, Start, NoPk, 2, 2011 1031103202, 2011 Transparty (1) Transparty (1) Call, Start, Start, NoPk, 2, 2011 1031103202, 2011 Transparty (1) Transparty (1) Meen Start, Start, Start, NoPk, 2, 2011 1031103202, 2011 Transparty (1) Transparty (1) Meen Start, Start, Start, NoPk, 2, 2011 1031103202, 2011 Transparty (1) Transparty (1) Meen Start, Start, NoPk, 2, 2011 1031103202, 2011 Meen Start, NoPk, 2, 2011 1031103202, 2011 Transparty (1) Call, Start, NoPk, 2, 2011 1031103201, 2011 Meen Start, NoPk, 2, 2011 103110320, 2011 Meen Start, NoPk, 2, 2011 1031110320, 2011 Meen Start, NoPk, 2, 2011 1031110320, 2011 Call, Start, NoPk, 2, 20111031110320, 2011 Meen Start, NoPk,	CS_OFFL_SIR_NOPN_2_20191103T020633_20191103T020839_C001	Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-	Total Geocentric Ocean Tide (solution 1: GOT and solution 2: FES) and
C5. 0FPL_SRI, NOPN_2_20191103103353_20191103103475_C001 Torography (1), Total Goovering Code Torography (1), Total Goovering Code C5. 0FPL_SRI, NOPN_2_20191103103353_20191103103305_C001 Mem. Star Star (1), Mem. Dynamic Torography (1), Mem. Dynamic C5. 0FPL_SRI, NOPN_2_20191103103350_C001 Mem. Star Star (1), Mem. Dynamic Torography (1), Mem. Dynamic C5. 0FPL_SRI, NOPN_2_20191103103350_C001 Mem. Star Star (1), Mem. Dynamic Torography (1), Mem. Dynamic C5. 0FPL_SRI, NOPN_2_20191103103232_20191103103232_C001 Mem. Star Star (1), Mem. Dynamic Torography (1), Mem. Dynamic C5. 0FPL_SRI, NOPN_2_20191103103032_20191103103022_C001 Mem. Star Star (1), Mem. Dynamic Torography (1), Mem. Dynamic C6. 0FPL_SRI, NOPN_2_20191103103023_C001 Mem. Damaric Torography (1) There is an error with the MSS height (stablen 1) and the Mem. Dynamic C6. 0FPL_SRI, NOPN_2_20191103111132_C019110311032_C001 Mem. Dynamic Torography (1) There is an error with the MSS height (stablen 1) and the Mem. Dynamic C6. 0FPL_SRI, NOPN_2_20191103111132_C0191103111322_C001 Mem. Dynamic Torography (1) There is an error with the MSS height (stablen 1) and the Mem. Dynamic C6. 0FFL_SRI, NOPN_2_20191103111323_C01111332_C011 Mem. Dynamic Torography (1) There is an error with the Mem. Dynamic Torography height (stablen 1) and the Mem. Dynamic C6. 0FFL_SRI,	CS_OFFL_SIR_NOPN_2_20191103T020935_20191103T021057_C001	Topography (1)	
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Column Construction Nome Nom Nome Nom No	CS_OFFL_SIR_NOPN_2_20191103T080316_20191103T080458_C001		
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CS_OFFL_SIR_NOPN_2_20191103T170713_20191103T170816_C001 Mean Sea Surface (1). Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20191103T175014_20191103T175209_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPN_2_20191103T18028_20191103T180216_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1), the Mean Dynamic Topography (1), Total Geocentric Ocean Tide (SOT) CS_OFFL_SIR_NOPN_2_20191103T1802947_20191103T193105_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1), the Mean Dynamic Topography (1), Total Geocentric Ocean Tide (SOT) CS_OFFL_SIR_NOPN_2_20191103T192947_20191103T193105_C001 Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GCT) There is an error with the MSS height (solution 1), the Mean Dynamic Topography (1), Total Geocentric Ocean Tide (CS_OFFL_SIR_NOPN_2_20191103T224859_20191103T22520_C001 There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GCT), Solution 1) and the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPN_2_20191103T225459_20191103T22520_C001 Mean Saa Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Mean Dynami	CS_OFFL_SIR_NOPN_2_20191103T161014_20191103T161416_C001		
CS_OFFL_SIR_NOPN_2_20191103T175014_20191103T175209_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height for one or more records CS_OFFL_SIR_NOPN_2_20191103T180028_20191103T180026_20191103T180026_20191103T180026_20191103T184940_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height for one or more records CS_OFFL_SIR_NOPN_2_20191103T184626_20191103T184940_C001 Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT) There is an error with the MSS height (solution 1), the Mean Dynamic Topography height for one or more records CS_OFFL_SIR_NOPN_2_20191103T192947_20191103T193105_C001 Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (Topography height (solution 1) and the Total Geocentric Ocean Tide (Topography height for one or more records CS_OFFL_SIR_NOPN_2_20191103T211111_20191103T211312_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height for one or more records CS_OFFL_SIR_NOPN_2_20191103T224565_20191103T225201_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20191103T2245743_20191103T225201_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (soluti	CS_OFFL_SIR_NOPN_2_20191103T170713_20191103T170818_C001	Mean Sea Surface (1), Mean Dynamic	There is an error with the MSS height (solution 1) and the Mean Dynamic
CS_OFFL_SIR_NOPN_2_20191103T180028_20191103T180216_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height for one or more records CS_OFFL_SIR_NOPN_2_20191103T184626_20191103T184940_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records There is an error with the Mesn Dynamic Topography height (solution 1: GOT) for one or more records CS_OFFL_SIR_NOPN_2_20191103T192947_20191103T193105_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1: GOT) for one or more records CS_OFFL_SIR_NOPN_2_20191103T211111_20191103T211312_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1), the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPN_2_20191103T224859_20191103T22520_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the Mesn Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPN_2_20191103T225743_20191103T225901_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPN_2_20191103T234746_20191103T235111_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPR_2_20191103T03542_C001 Mean Sea Surface (1), Mean Dynamic T	CS_OFFL_SIR_NOPN_2_20191103T175014_20191103T175209_C001		There is an error with the Mean Dynamic Topography height for one or
CS_OFFL_SIR_NOPN_2_20191103T184626_20191103T184940_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1), the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPN_2_20191103T192947_20191103T193105_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide (GOT) CS_OFFL_SIR_NOPN_2_20191103T211111_20191103T211312_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 (1) CS_OFFL_SIR_NOPN_2_20191103T224859_20191103T22520_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_NOPN_2_20191103T225743_20191103T225201_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPN_2_20191103T03118_20191103T0354_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_NOPR_2_20191103T021057_20191103T02532_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_NOPR_2_20191103T0454531_20191103T035528_C001 Mean Sea Surface (1), Mean Dynamic To	CS_OFFL_SIR_NOPN_2_20191103T180028_20191103T180216_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or
CS_OFFL_SIR_NOPN_2_20191103T192105_C001 Mean Dynamic Topography (1) Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and the tidal corrections for one or more records CS_OFFL_SIR_NOPN_2_20191103T224859_20191103T225200_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20191103T225743_20191103T225901_C001 Mean Dynamic Topography (1) There is an error with the Mas Dynamic Topography height for one or more records CS_OFFL_SIR_NOPN_2_20191103T224746_20191103T235111_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPR_2_20191103T02157_20191103T003954_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_NOPR_2_20191103T021057_20191103T021532_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_NOPR_2_20191103T035006_20191103T035528_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records	CS_OFFL_SIR_NOPN_2_20191103T184626_20191103T184940_C001	Topography (1), Total Geocentric Ocean	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height
CS_OFFL_SIR_NOPN_2_20191103T21111_20191103T211312_C001Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Topography (solution 1) and the Man Dynamic Topography (solution 1) and the Man Dynamic Topography (solution 1) for one or more recordsCS_OFFL_SIR_NOPN_2_20191103T225743_20191103T225901_C001Mean Dynamic Topography (1)There is an error with the Mean Dynamic Topography height for one or more recordsCS_OFFL_SIR_NOPN_2_20191103T234746_20191103T235111_C001Mean Dynamic Topography (1)There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1)CS_OFFL_SIR_NOPR_2_20191103T003118_20191103T003954_C001Mean 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_NOPR_2_20191103T035006_20191103T035528_C001Mean 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_NOPR_2_20191103T044531_20191103T044747_C001Mean Sea Surface (1)There is an error with the MSS height (solution 1) for one or more recordsCS_OFFL_SIR_NOPR_2_20191103T052902_2	CS_OFFL_SIR_NOPN_2_20191103T192947_20191103T193105_C001	Mean Dynamic Topography (1)	
CS_OFFL_SIR_NOPN_2_201911031224746_201911031225901_C001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20191103T225743_20191103T225901_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height for one or more records CS_OFFL_SIR_NOPN_2_20191103T234746_20191103T235111_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height for one or more records CS_OFFL_SIR_NOPR_2_20191103T003118_20191103T003954_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20191103T021057_20191103T021532_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20191103T035006_20191103T035528_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPR_2_20191103T044531_20191103T044747_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20191103T054252902_20191103T054224_C001 Mean Sea Surface (1) There is an error with the MSS height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20191103T044531_20191103T044747_C001 Mean Sea Surface (1) There	CS_OFFL_SIR_NOPN_2_20191103T211111_20191103T211312_C001	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period	
CS_OFFL_SIR_NOPN_2_20191103T225743_20191103T225901_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height for one or more records CS_OFFL_SIR_NOPN_2_20191103T234746_20191103T235111_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height for one or more records CS_OFFL_SIR_NOPR_2_20191103T003118_20191103T003954_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 for one or more records CS_OFFL_SIR_NOPR_2_20191103T021057_20191103T021532_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20191103T035006_20191103T035528_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPR_2_20191103T044531_20191103T044747_C001 Mean Sea Surface (1) There is an error with the MSS height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20191103T044531_20191103T044747_C001 Mean Sea Surface (1) There is an error with the MSS height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20191103T05452902_20191103T054224_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records	CS_OFFL_SIR_NOPN_2_20191103T224859_20191103T225220_C001		
CS_OFFL_SIR_NOPR_2_201911031234746_20191103103954_C001 Mean Dynamic Topography (1) more records CS_OFFL_SIR_NOPR_2_20191103T003118_20191103T003954_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_NOPR_2_20191103T021057_20191103T021532_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20191103T02506_20191103T035528_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20191103T044531_20191103T044747_C001 Mean Sea Surface (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20191103T044531_20191103T044747_C001 Mean Sea Surface (1) There is an error with the MSS height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20191103T052902_20191103T054224_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records	CS_OFFL_SIR_NOPN_2_20191103T225743_20191103T225901_C001	Mean Dynamic Topography (1)	
CS_OFFL_SIR_NOPR_2_20191103T003118_20191103T003954_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_NOPR_2_20191103T021057_20191103T021532_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_NOPR_2_20191103T035006_20191103T035528_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_NOPR_2_20191103T044531_20191103T044747_C001 Mean Sea Surface (1) There is an error with the MSS height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20191103T052902_20191103T05424_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) for one or more records	CS_OFFL_SIR_NOPN_2_20191103T234746_20191103T235111_C001	Mean Dynamic Topography (1)	
CS_OFFL_SIR_NOPR_2_20191103T021057_20191103T021532_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_NOPR_2_20191103T035006_20191103T035528_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20191103T044531_20191103T044747_C001 Mean Sea Surface (1) There is an error with the MSS height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20191103T044531_20191103T044747_C001 Mean Sea Surface (1) There is an error with the MSS height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20191103T0542902_20191103T053224_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic	CS_OFFL_SIR_NOPR_2_20191103T003118_20191103T003954_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic
CS_OFFL_SIR_NOPR_2_20191103T035006_20191103T035528_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20191103T044531_20191103T044747_C001 Mean Sea Surface (1) There is an error with the MSS height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20191103T044531_20191103T053224_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) for one or more records	CS_OFFL_SIR_NOPR_2_20191103T021057_20191103T021532_C001	Mean Sea Surface (1), Mean Dynamic	There is an error with the MSS height (solution 1) and the Mean Dynamic
CS_OFFL_SIR_NOPR_2_20191103T044531_20191103T044747_C001 Mean Sea Surface (1) There is an error with the MSS height (solution 1) for one or more records Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic	CS_OFFL_SIR_NOPR_2_20191103T035006_20191103T035528_C001	Mean Sea Surface (1), Mean Dynamic	There is an error with the MSS height (solution 1) and the Mean Dynamic
	CS_OFFL_SIR_NOPR_2_20191103T044531_20191103T044747_C001		
	CS_OFFL_SIR_NOPR_2_20191103T052902_20191103T053224_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

CS_OFFL_SIR_NOPR_2_20191103T053224_20191103T053556_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20191103T054942_20191103T055758_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPR_2_20191103T070724_20191103T071230_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20191103T103446_20191103T103648_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPR_2_20191103T104028_20191103T104214_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPR_2_20191103T170045_20191103T170219_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPR_2_20191103T202139_20191103T202646_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20191103T214942_20191103T215032_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPR_2_20191103T215533_20191103T215706_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPR_2_20191103T215955_20191103T220848_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20191103T233926_20191103T234746_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20191103T155232_20191103T160709_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20Hz)

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

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

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

1

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

90

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20191102T235348_20191103T000923_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T002749_20191103T002934_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T003954_20191103T005113_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T005302_20191103T010951_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T011002_20191103T011501_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T012121_20191103T012304_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T012311_20191103T012723_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T013249_20191103T015133_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T022010_20191103T023724_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T024007_20191103T024825_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T024838_20191103T025414_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T025640_20191103T030203_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T031309_20191103T032534_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T032643_20191103T034334_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_NOPM_2_20191103T035716_20191103T035719_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T040625_20191103T041635_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T041838_20191103T043300_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T043606_20191103T044101_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T044139_20191103T044257_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T044949_20191103T050026_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T050722_20191103T051957_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T052430_20191103T052432_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T055758_20191103T061144_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T061538_20191103T062015_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T062805_20191103T065332_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T072709_20191103T074730_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T074823_20191103T075053_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T075544_20191103T075928_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T075950_20191103T080315_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T080649_20191103T083309_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T085551_20191103T093013_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T093350_20191103T093842_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T093848_20191103T094217_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T094729_20191103T102017_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T103154_20191103T103446_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T103939_20191103T104028_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T110532_20191103T110656_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T111346_20191103T111911_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T112639_20191103T114713_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T114959_20191103T120117_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T121134_20191103T121436_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_NOPM_2_20191103T123114_20191103T124727_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T130508_20191103T134026_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T134059_20191103T134116_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T135125_20191103T135233_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T140252_20191103T142547_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T144458_20191103T150133_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T150615_20191103T151714_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T151958_20191103T152013_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T153321_20191103T155018_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T155232_20191103T160709_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T161416_20191103T161625_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T161713_20191103T162127_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T162352_20191103T163534_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T163540_20191103T163837_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T164038_20191103T164959_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T171105_20191103T171139_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T171346_20191103T172805_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T173440_20191103T174739_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T175209_20191103T180028_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T180357_20191103T181934_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T182156_20191103T182407_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T185131_20191103T190010_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T190128_20191103T190458_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T190511_20191103T192727_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T193350_20191103T193851_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T194345_20191103T200712_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T202005_20191103T202031_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_NOPM_2_20191103T203910_20191103T210530_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T211312_20191103T211912_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T212234_20191103T214936_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T215706_20191103T215954_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T221212_20191103T224420_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T225220_20191103T225743_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T230255_20191103T230536_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T230826_20191103T231156_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T233550_20191103T233925_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20191103T235111_20191104T000023_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T035528_20191103T035600_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T061324_20191103T061538_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T211912_20191103T212043_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T023725_20191103T024006_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T044101_20191103T044107_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T103446_20191103T103648_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T122042_20191103T122234_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T155019_20191103T155232_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T163837_20191103T164032_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T182407_20191103T182627_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T190010_20191103T190128_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T230537_20191103T230825_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
L2 Quality Flags (20Hz PLRM)		

L2 Quality Flags (20Hz PLRM)

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

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

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

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Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20191103T000924_20191103T001116_C001	o	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T003048_20191103T003117_C001	Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_NOPN_2_20191103T011707_20191103T012121_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T012723_20191103T012835_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T020633_20191103T020839_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T030441_20191103T030626_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T034856_20191103T035005_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T035528_20191103T035600_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T044747_20191103T044915_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T050215_20191103T050701_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T051958_20191103T052121_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T052432_20191103T052902_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T061324_20191103T061538_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T062527_20191103T062538_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T070117_20191103T070241_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T070332_20191103T070723_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T072218_20191103T072357_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T075316_20191103T075543_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T080316_20191103T080458_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T093226_20191103T093350_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T102017_20191103T102135_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T105413_20191103T105502_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T121840_20191103T121901_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T122819_20191103T122855_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T143714_20191103T144339_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T160757_20191103T160936_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T162127_20191103T162301_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T164959_20191103T165135_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T170900_20191103T170949_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_NOPN_2_20191103T172932_20191103T173439_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T182709_20191103T183057_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T184626_20191103T184940_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T192947_20191103T193105_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T193305_20191103T193349_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T193852_20191103T194127_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T200712_20191103T200813_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T220848_20191103T221211_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T224859_20191103T225220_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T231156_20191103T231318_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20191103T234746_20191103T235111_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T002143_20191103T002200_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T003118_20191103T003954_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T012836_20191103T013249_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T021057_20191103T021532_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T021532_20191103T021827_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T030626_20191103T031308_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T044531_20191103T044747_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T052902_20191103T053224_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T053224_20191103T053556_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T054942_20191103T055758_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T062538_20191103T062805_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T065332_20191103T065552_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T070724_20191103T071230_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T085323_20191103T085551_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T093013_20191103T093226_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T094400_20191103T094531_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_NOPR_2_20191103T094531_20191103T094728_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T103446_20191103T103648_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T110656_20191103T111223_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T112225_20191103T112639_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T121636_20191103T121823_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T124728_20191103T125155_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T130129_20191103T130508_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T135233_20191103T135347_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T135408_20191103T140252_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T142547_20191103T143245_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T155019_20191103T155232_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T160710_20191103T160757_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T163837_20191103T164032_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T170045_20191103T170219_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T182407_20191103T182627_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T190010_20191103T190128_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T192727_20191103T192947_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T194127_20191103T194345_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T201736_20191103T201931_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T210530_20191103T210910_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T212043_20191103T212234_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T215533_20191103T215706_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T215955_20191103T220848_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T224421_20191103T224859_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T225901_20191103T230254_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T233225_20191103T233443_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20191103T233926_20191103T234746_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (1 Hz & 1Hz PLRM) Currently, there are several common flags raised in the Level 2 products, which are summarised below. > 1Hz and 1Hz Ocean SSHA Quality Flags: These flags are currently set for products over sea ice, which is to be expected. Number of products with errors: 173 5.7 L2 Ocean Retracking Quality Check L2 Retracking Flags (20Hz) CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set. Ocean Retracking Quality Flag: This flag is currently set for products falling at ocean/ land boundaries, but this is expected. Number of products with errors: 57 L2 Retracking Flags (20Hz, PLRM) CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz PLRM measurement record. The bit value of this flag indicates any problems when set. Ocean Retracking Quality Flag (PLRM): This flag is currently set for products NOPR and NOPN products over sea ice, but this is to be expected. 129