

# IDEAS+ Daily Report for NOP data:

# <u>01/08/2019</u>



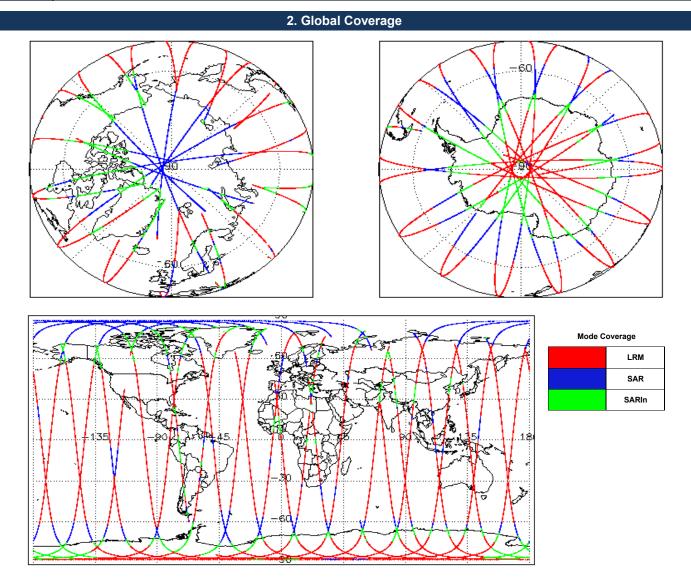
1. Overview			
		Check	L1 & L2
Report Production:	02-Aug-2019	Server check: science-pds.cryosat.esa.int	Nominal
Processor Used:	Crucest Occar Dresser	Server check: calval-pds.cryosat.esa.int	Nominal
Processor Used: Cr	CryoSat Ocean Processor	Product Software Check	Nominal
Data Used:	Near Real Time Ocean Products (NOP) L1B & L2 Science Data	Product Format Check	Nominal
Data Oseu.		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

### Mission / Instrument News

31-Jul-2019 SIRAL unavailability on 31-Jul-2019 from 04:08:21 to 05:57:10 due to a planned orbit manoeuvre.

01-Aug-2019 None

### 02-Aug-2019 Nothing planned



## 3. Instrument Configuration

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

SIRAL instrument(s) in use:

SIRAL - A

4. NOP Level 1B Data Quality Check

## 4.1 L1B Product Format Check

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

Number of products with errors:

0

followed by a table highlighting any additional issues which may arise from	d SPH in order to identify any inconsi e-determined baseline and also to ch ecked for the default error value (327 ne Level 2 products which are expo om this test. nputed over CONTINENTAL ICE: Dr his is a known anomaly (CRYO-COP	stencies and/or errors raised by the ground-segment processing chain. eck the validity of Auxiliary Data Files is correct. 67). ected due to surface type. All common flags are summarised in the list below, y Tropospheric Corection, Wet Tropospheric Correction, Inverse Barometric Correction
Each product, retrieved and unpacked from the science server, is checked to envery of products with errors:          0         5.2 L2 Product Header Analysis         For all products, a series of pre-defined checks are performed on the MPH and 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 Number of products with errors:          0         5.4 L2 Auxiliary Correction Error Check         For all products, the auxiliary corrections within the Geophysical Group are check         For all products, the auxiliary corrections within the Geophysical Group are check         For all products, the auxiliary corrections within the Geophysical Group are check         For all products, the auxiliary corrections within the Geophysical Group are check         For all products, the auxiliary corrections within the Geophysical Group are check         For all products, the auxiliary corrections within the Geophysical Group are check         For all products, the auxiliary corrections within the Geophysical Group are check         For all products, the auxiliary corrections within the geophysical Group are check         Currently, there are some common auxiliary correction errors raised in the followed by a table highlighting any additional issues which may arise for products are not complete the products are not complete the followed by a table highlighting any additional issues which may arise for products are not complete the products are not complete the	d SPH in order to identify any inconsi e-determined baseline and also to ch ecked for the default error value (327 ne Level 2 products which are expo om this test. nputed over CONTINENTAL ICE: Dr	stencies and/or errors raised by the ground-segment processing chain. eck the validity of Auxiliary Data Files is correct. 67). ected due to surface type. All common flags are summarised in the list below, y Tropospheric Corection, Wet Tropospheric Correction, Inverse Barometric Correction
Each product, retrieved and unpacked from the science server, is checked to envery of products with errors:          0         5.2 L2 Product Header Analysis         For all products, a series of pre-defined checks are performed on the MPH and 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-Number of products with errors:          0         5.4 L2 Auxiliary Correction Error Check         For all products, the auxiliary corrections within the Geophysical Group are check         For all products, the auxiliary corrections within the Geophysical Group are check         For all products, the auxiliary corrections within the Geophysical Group are check         For all products, the auxiliary corrections within the Geophysical Group are check         For all products, the auxiliary corrections within the Geophysical Group are check         For all products, the auxiliary corrections within the Geophysical Group are check         For all products, the auxiliary corrections within the Geophysical Group are check         For all products, the auxiliary corrections within the Geophysical Group are check         Currently, there are some common auxiliary correction errors raised in the followed by a table highlighting any additional issues which may arise for the followed by a table highlighting any additional issues which may arise for the followed by a table highlighting any additional issues which may arise for the followed by a table highlighting	d SPH in order to identify any inconsi e-determined baseline and also to ch ecked for the default error value (327 ne Level 2 products which are expo om this test.	stencies and/or errors raised by the ground-segment processing chain. eck the validity of Auxiliary Data Files is correct. 67). ected due to surface type. All common flags are summarised in the list below,
Each product, retrieved and unpacked from the science server, is checked to envery of products with errors:          0         5.2 L2 Product Header Analysis         For all products, a series of pre-defined checks are performed on the MPH and 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 Number of products with errors:          0         5.4 L2 Auxiliary Correction Error Check         For all products, the auxiliary corrections within the Geophysical Group are check	d SPH in order to identify any inconsi e-determined baseline and also to ch ecked for the default error value (327 <b>The Level 2 products which are expo</b>	stencies and/or errors raised by the ground-segment processing chain. eck the validity of Auxiliary Data Files is correct.
Each product, retrieved and unpacked from the science server, is checked to end to be server of products with errors:       0         5.2 L2 Product Header Analysis       0         For all products, a series of pre-defined checks are performed on the MPH and Number of products with errors:       0         5.3 L2 Auxiliary Data File Usage Check       0         Each product is checked for missing Data Set Descriptors with respect to a pre Number of products with errors:       0         5.4 L2 Auxiliary Correction Error Check       0	d SPH in order to identify any inconsi 9-determined baseline and also to ch	stencies and/or errors raised by the ground-segment processing chain.
Each product, retrieved and unpacked from the science server, is checked to envelope of products with errors:          0         5.2 L2 Product Header Analysis         For all products, a series of pre-defined checks are performed on the MPH and 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-Number of products with errors:         0	d SPH in order to identify any inconsi	stencies and/or errors raised by the ground-segment processing chain.
Each product, retrieved and unpacked from the science server, is checked to environment of products with errors:          0         5.2 L2 Product Header Analysis         For all products, a series of pre-defined checks are performed on the MPH and 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-	d SPH in order to identify any inconsi	stencies and/or errors raised by the ground-segment processing chain.
Each product, retrieved and unpacked from the science server, is checked to end of products with errors:       0         5.2 L2 Product Header Analysis       0         For all products, a series of pre-defined checks are performed on the MPH and Number of products with errors:       0         5.3 L2 Auxiliary Data File Usage Check       0	d SPH in order to identify any inconsi	stencies and/or errors raised by the ground-segment processing chain.
Each product, retrieved and unpacked from the science server, is checked to e Number of products with errors: 0 5.2 L2 Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH and Number of products with errors: 0		
Each product, retrieved and unpacked from the science server, is checked to a Number of products with errors: 0 5.2 L2 Product Header Analysis For all products, a series of pre-defined checks are performed on the MPH and		
Each product, retrieved and unpacked from the science server, is checked to e Number of products with errors: 0 5.2 L2 Product Header Analysis		
Each product, retrieved and unpacked from the science server, is checked to e Number of products with errors: 0	ensure it consists of both an XML hea	ider file (.HDR) and a binary product file (.DBL).
Each product, retrieved and unpacked from the science server, is checked to e Number of products with errors: 0	ensure it consists of both an XML hea	ider file (.HDR) and a binary product file (.DBL).
Each product, retrieved and unpacked from the science server, is checked to e	ensure it consists of both an XML hea	der file (.HDR) and a binary product file (.DBL).
	ensure it consists of both an XMI hea	ider file (.HDR) and a binary product file (.DBL).
5.1 L2 Product Format Check		
5. NO	OP Level 2 Data Qual	ity Check
CS_OFFL_SIR_NOPR1B_20190801T013052_20190801T013327_C001 CS_OFFL_SIR_NOPR1B_20190801T035122_20190801T035208_C001	Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190801T190643_20190801T190730_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190801T155520_20190801T155708_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190801T103641_20190801T104154_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190801T090059_20190801T090316_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190801T054322_20190801T054455_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190801T035208_20190801T035337_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20190801T023323_20190801T023731_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_201908011064057_201908011065742_C001 CS_OFFL_SIR_NOPN1B_20190801T004601_20190801T004631_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPM1B_20190801T055239_20190801T062759_C001 CS_OFFL_SIR_NOPM1B_20190801T084057_20190801T085742_C001	Loss of Echo Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records
Product	Test Failed	Description
Number of products with errors: 12		
> Loss of Echo Flag: This flag is currently set for products over land, but this	is to be expected.	
CryoSat L1B data includes a waveform data flag for each measurement record	I. The bit value of this flag indicates a	iny problems when set.
4.6 L1B Waveform Group Data Check		
		records
Product CS OFFL SIR NOPM1B 20190801T114048 20190801T121430 C001	Test Failed Power scaling error	Description There is an error in the scaling of the L1B waveform for one or more
	Teet Felled	Description
> Attitude Correction Missing: This flag is currently set in error for NOPR pro Number of products with errors: 1	paucts due to a configuration issue. T	nis is being investigated and will be updated in the next SW update.
CryoSat L1B data includes a measurement confidence flag for each measurem	-	
4.5 L1B Measurement Confidence Data Check		
Number of products with errors: 0		· · · · · · · · · · · · · · · · · · ·
CryoSat L1B data includes a correction error flag for each measurement recorr	d. The bit value of this flag indicates	any problems when set.
4.4 L1B Auxiliary Correction Error Check		
Number of products with errors: 0		
Dynamic Atmospheric Correction: The DAC is missing in all products becau		
Each product is checked for missing Data Set Descriptors with respect to a pre	e-determined baseline and also to ch	eck the validity of Auxiliary Data Files is correct.
4.3 L1B Auxilary Data File Usage Check		
Number of products with errors: 0		
OSARIn chains. A modification is required in the next release.		
I 18 Processing Quality HR: The I1b, proc. flag, br flag is currently set all I 16		the l1b_processing_quality_hr field is not correctly configured in the OSAR and
Tor all products, a series of pre-defined checks are performed on the wir frank	SPH in order to identify any inconsi	stancies and/or errors raised by the ground-segment processing chain
For all products, a series of pre-defined checks are performed on the MPH and		

S_OFFL_SIR_NOPM_2_20190801T055239_20190801T062758_C001	Total Geocentric Ocean Tide (FES), Non-	There is an error with the Total Geocentric Ocean Tide height (solu GOT and solution 2: FES) and the Non-equilibrium Long Period Oc Tide height for one or more records
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CS_OFFL_SIR_NOPM_2_20190801T122911_20190801T123015_C001
CS_OFFL_SIR_NOPN_2_20190801T000356_20190801T000622_C001
CS_OFFL_SIR_NOPN_2_20190801T005124_20190801T005530_C001
CS_OFFL_SIR_NOPN_2_20190801T013327_20190801T013508_C001
CS_OFFL_SIR_NOPN_2_20190801T023323_20190801T023731_C001
CS_OFFL_SIR_NOPN_2_20190801T031335_20190801T031705_C001
CS_OFFL_SIR_NOPN_2_20190801T045247_20190801T045608_C001
CS_OFFL_SIR_NOPN_2_20190801T050121_20190801T050245_C001
CS_OFFL_SIR_NOPN_2_20190801T054322_20190801T054455_C001
CS_OFFL_SIR_NOPN_2_20190801T064021_20190801T064130_C001
CS_OFFL_SIR_NOPN_2_20190801T072345_20190801T072402_C001
CS OFFL SIR NOPN 2 20190801T081722 20190801T081917 C001

CS\_OFFL\_SIR\_NOPN\_2\_20190801T090059\_20190801T090316\_C001 CS\_OFFL\_SIR\_NOPN\_2\_20190801T103641\_20190801T104154\_C001 CS OFFL SIR NOPN 2 20190801T112631 20190801T112927 C001 CS\_OFFL\_SIR\_NOPN\_2\_20190801T113554\_20190801T113845\_C001 CS OFFL SIR NOPN 2 20190801T121638 20190801T122016 C001 CS OFFL SIR NOPN 2 20190801T135207 20190801T135708 C001 CS\_OFFL\_SIR\_NOPN\_2\_20190801T140637\_20190801T140757\_C001 CS OFFL SIR NOPN 2 20190801T154703 20190801T154721 C001 CS\_OFFL\_SIR\_NOPN\_2\_20190801T163213\_20190801T163518\_C001 CS\_OFFL\_SIR\_NOPN\_2\_20190801T180515\_20190801T180820\_C001 CS OFFL SIR NOPN 2 20190801T181113 20190801T181453 C001 CS OFFL SIR NOPN 2 20190801T194551 20190801T194825 C001

CS OFFL SIR NOPN 2 20190801T204101 20190801T204220 C001

CS OFFL SIR NOPN 2 20190801T212100 20190801T212705 C001 CS\_OFFL\_SIR\_NOPN\_2\_20190801T222034\_20190801T222205\_C001 CS\_OFFL\_SIR\_NOPN\_2\_20190801T230313\_20190801T230448\_C001 CS OFFL SIR NOPN 2 20190801T231340 20190801T231541 C001 CS\_OFFL\_SIR\_NOPN\_2\_20190801T235947\_20190802T000433\_C001 CS\_OFFL\_SIR\_NOPR\_2\_20190801T004631\_20190801T005124\_C001 CS OFFL SIR NOPR 2 20190801T022410 20190801T023322 C001 CS\_OFFL\_SIR\_NOPR\_2\_20190801T040415\_20190801T041214\_C001 CS\_OFFL\_SIR\_NOPR\_2\_20190801T054455\_20190801T055239\_C001 CS OFFL SIR NOPR 2 20190801T072402 20190801T073108 C001

CS\_OFFL\_SIR\_NOPR\_2\_20190801T083843\_20190801T084057\_C001 CS OFFL SIR NOPR 2 20190801T090316 20190801T090355 C001 CS OFFL SIR NOPR 2 20190801T090355 20190801T091038 C001 CS OFFL SIR NOPR 2 20190801T104154 20190801T104905 C001 CS OFFL SIR NOPR 2 20190801T122016 20190801T122303 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
Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
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
Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
Mean Sea Surface (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Total Geocentri Ocean Tide height (solution 1: GOT) for one or more records
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
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
Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
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
Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
Total Geocentric Ocean Tide (GOT),	There is an error with the Total Geocentric Ocean Tide height (solution 1:
Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	GOT and solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
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
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
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
Mean Sea Surface (1), Mean Dynamic	There is an error with the MSS height (solution 1) and the Mean Dynamic
Topography (1)	Topography height (solution 1) for one or more records There is an error with the Mean Dynamic Topography height for one or
Mean Dynamic Topography (1)	more records There is an error with the Mean Dynamic Topography height for one or
Mean Dynamic Topography (1)	more records
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
Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
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
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
Mean Sea Surface (1), Mean Dynamic	There is an error with the MSS height (solution 1) and the Mean Dynamic
Topography (1) 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)	Topography height (solution 1) for one or more records
Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide heigh (solution 1: GOT) for one or more records
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
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
Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
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
Mean Sea Surface (1), Mean Dynamic	There is an error with the MSS height (solution 1) and the Mean Dynamic
Topography (1) 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) 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)	Topography height (solution 1) for one or more records
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
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
Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide heigl (solution 1: GOT) for one or more records
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
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
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
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.

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20190801T114048_20190801T121430_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

## 5.6 L2 Measurement Quality Flag Check

### L2 Quality Flags (20Hz)

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

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

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

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

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Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20190731T235824_20190801T000356_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_20190801T000817_20190801T003143_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T010324_20190801T011457_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T012035_20190801T013052_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T013756_20190801T014239_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_20190801T014305_20190801T014353_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_20190801T023732_20190801T030907_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T031705_20190801T032236_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_20190801T032601_20190801T033023_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T040130_20190801T040414_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T041618_20190801T044917_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T045608_20190801T050120_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_20190801T050625_20190801T052301_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T055239_20190801T062758_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T064508_20190801T071852_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T073108_20190801T074547_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T075148_20190801T080730_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T080948_20190801T081505_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_20190801T082541_20190801T083843_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T084057_20190801T085742_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T092022_20190801T093047_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T093227_20190801T094618_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T094914_20190801T095416_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_20190801T101048_20190801T101449_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T102131_20190801T102435_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T102558_20190801T103254_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T110449_20190801T112458_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T112927_20190801T113333_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_20190801T114048_20190801T121430_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T123138_20190801T123615_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_20190801T124027_20190801T130418_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T130721_20190801T131247_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_20190801T131253_20190801T131618_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_20190801T132003_20190801T133046_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T133623_20190801T135207_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T140757_20190801T141305_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T141605_20190801T143657_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T143911_20190801T144352_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T144721_20190801T145525_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_20190801T150018_20190801T153244_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T154537_20190801T154703_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T160730_20190801T161536_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T161557_20190801T162158_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T162656_20190801T163213_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_20190801T163912_20190801T170024_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T170310_20190801T171453_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T172402_20190801T172846_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T174353_20190801T174919_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T175107_20190801T180127_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T180820_20190801T181113_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_20190801T181831_20190801T185451_C001       Ocean Altimeter Range and Backscatter Quality Altiter Range and Backscatter Quality Altimeter Range and	y, OCOG       and the OCOG Altimeter Range and Backscatter Quality Flags have been ackscatter Quality         ackscatter Quality       set for one or more records.         ackscatter Quality       The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been ackscatter Quality         ackscatter Quality       set for one or more records.
CS_OFFL_SIR_NOPM_2_20190801T190730_20190801T191421_C001 and Backscatter Quality Altimeter Range and Backscatter Quality CS_OFFL_SIR_NOPM_2_20190801T191434_20190801T193851_C001 Ocean Altimeter Range and Backscatter Quality	y, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been ackscatter Quality set for one or more records.
CS_OFFL_SIR_NOPM_2_20190801T191434_20190801T193851_C001 and Backscatter Quality	SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags
	y, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20190801T195242_20190801T195510_C001 OCOG Altimeter Range Backscatter Quality	e Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190801T195745_20190801T201342_C001 Ocean Altimeter Range and Backscatter Quality Altimeter Range and Backscatter Range	y, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20190801T201350_20190801T202601_C001 Ocean Altimeter Range and Backscatter Quality Altimeter Range and Backscatter Range and Backscatte	y, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20190801T204220_20190801T204619_C001 OCOG Altimeter Range Backscatter Quality	e Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190801T204742_20190801T210326_C001 Ocean Altimeter Range and Backscatter Quality Altimeter Range and Backscatter Range and Backscatte	y, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20190801T211218_20190801T212027_C001 Ocean Altimeter Range and Backscatter Quality Altimeter Range and Backscatter Range	y, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20190801T212706_20190801T212936_C001 OCOG Altimeter Range Backscatter Quality	e Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190801T213716_20190801T215110_C001 Ocean Altimeter Range and Backscatter Quality Altimeter Range and Backscatter Range	y, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20190801T215250_20190801T215722_C001 Ocean Altimeter Range and Backscatter Quality Altimeter Range and Backscatter Range and Backscatte	y, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20190801T222657_20190801T222820_C001 OCOG Altimeter Range Backscatter Quality	e Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190801T222943_20190801T223653_C001  Ocean Altimeter Range and Backscatter Quality Altimeter Range and Backscatter Quality	y, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20190801T223816_20190801T230113_C001 Ocean Altimeter Range and Backscatter Quality Altimeter Range and Backscatter Range	
CS_OFFL_SIR_NOPM_2_20190801T230448_20190801T231340_C001 OCOG Altimeter Range Backscatter Quality	e Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20190801T231650_20190801T233940_C001 Ocean Altimeter Range and Backscatter Quality Altimeter Range and Backscatter Range	y, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPN_2_20190801T000356_20190801T000622_C001 Ocean Altimeter Range and Backscatter Quality Altimeter Range and Backscatter Range and Backscatte	y, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPN_2_20190801T013614_20190801T013756_C001 OCOG Altimeter Range Backscatter Quality	e Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190801T035208_20190801T035337_C001 OCOG Altimeter Range Backscatter Quality	e Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190801T091702_20190801T092022_C001 Ocean Altimeter Range and Backscatter Quality Altimeter Range and Backscatter Range	y, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPN_2_20190801T103641_20190801T104154_C001 CS_OFFL_SIR_NOPN_2_20190801T103641_20190801T104154_C001 CCs_OFFL_SIR_NOPN_2_20190801T103641_20190801T104154_C001 CCs_OFFL_SIR_NOPN_2_20190801T104154_C001 CCs_OFFL_SIR_NOPN_2_20190801T104154_C001 CCs_OFFL_SIR_NOPN_2_20190801T104154_C001 CCs_OFFL_SIR_NOPN_2_20190801T104154_C001 CCs_OFFL_SIR_NOPN_2_20190801T104154_C001 CCs_OFFL_SIR_NOPN_2_20190801T104154_C001 CCs_OFFL_SIR_NOPN_2_20190801T104154_C001 CCs_OFFL_SIR_NOPN_2_20000000000000000000000000000000000	y, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPN_2_20190801T105752_20190801T110125_C001 OCOG Altimeter Range Backscatter Quality	e Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190801T123015_20190801T123138_C001 OCOG Altimeter Range Backscatter Quality	e Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20190801T231340_20190801T231541_C001 Ocean Altimeter Range and Backscatter Quality Altimeter Range and Ba	y, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPN_2_20190801T234416_20190801T234553_C001 OCOG Altimeter Range Backscatter Quality	e Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_NOPR_2_20190801T004227_20190801T004441_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T030907_20190801T031335_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T041401_20190801T041530_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_20190801T093048_20190801T093227_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH 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_20190801T173301_20190801T173401_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)

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_20190801T003143_20190801T003252_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_20190801T004441_20190801T004504_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_20190801T004601_20190801T004631_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_20190801T005124_20190801T005530_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_20190801T013327_20190801T013508_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_20190801T013614_20190801T013756_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_20190801T023323_20190801T023731_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_20190801T031335_20190801T031705_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_20190801T032236_20190801T032352_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_20190801T041531_20190801T041618_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_20190801T045247_20190801T045608_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_20190801T050121_20190801T050245_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_20190801T052302_20190801T052626_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_20190801T054322_20190801T054455_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_20190801T064021_20190801T064130_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_20190801T091702_20190801T092022_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_20190801T094726_20190801T094914_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_20190801T101449_20190801T102000_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_20190801T103310_20190801T103431_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_20190801T103641_20190801T104154_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_20190801T121430_20190801T121552_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_20190801T121638_20190801T122016_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_20190801T123616_20190801T123832_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_20190801T123909_20190801T124026_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_20190801T130607_20190801T130721_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_20190801T135207_20190801T135708_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_20190801T144557_20190801T144720_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_20190801T153244_20190801T153412_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_20190801T153505_20190801T153637_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_20190801T155520_20190801T155708_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_20190801T163213_20190801T163518_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_20190801T174108_20190801T174352_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_20190801T180515_20190801T180820_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_20190801T181113_20190801T181453_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_20190801T185603_20190801T185621_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_20190801T190317_20190801T190509_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_20190801T194551_20190801T194825_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_20190801T195020_20190801T195242_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_20190801T195510_20190801T195644_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_20190801T204619_20190801T204742_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_20190801T210840_20190801T210946_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_20190801T212100_20190801T212705_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_20190801T222343_20190801T222613_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_20190801T222820_20190801T222943_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_20190801T234416_20190801T234553_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_20190801T000622_20190801T000817_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_20190801T004227_20190801T004441_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_20190801T004504_20190801T004601_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_20190801T013052_20190801T013327_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_20190801T030907_20190801T031335_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_20190801T040415_20190801T041214_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_20190801T041401_20190801T041530_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_20190801T044917_20190801T045247_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_20190801T050245_20190801T050625_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_20190801T054455_20190801T055239_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_20190801T064130_20190801T064507_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_20190801T074547_20190801T075028_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_20190801T081917_20190801T082541_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_20190801T083843_20190801T084057_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_20190801T094618_20190801T094726_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_20190801T104154_20190801T104905_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_20190801T140521_20190801T140626_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_20190801T144352_20190801T144556_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_20190801T145637_20190801T150018_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_20190801T155005_20190801T155051_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_20190801T162158_20190801T162531_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_20190801T163518_20190801T163911_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_20190801T180127_20190801T180515_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_20190801T181454_20190801T181535_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_20190801T181555_20190801T181830_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_20190801T193851_20190801T194551_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_20190801T210327_20190801T210540_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_20190801T215110_20190801T215249_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_20190801T215723_20190801T215958_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_20190801T220800_20190801T220830_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_20190801T222613_20190801T222657_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG 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: 172				
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: 53				
L2 Retracking Flags (20Hz, PLRM)				
Crucest 12 data includes a page retracting quality flag for each 20 Hz DI PM measurement record. The bit value of this flag indicates any problems when set				

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.

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