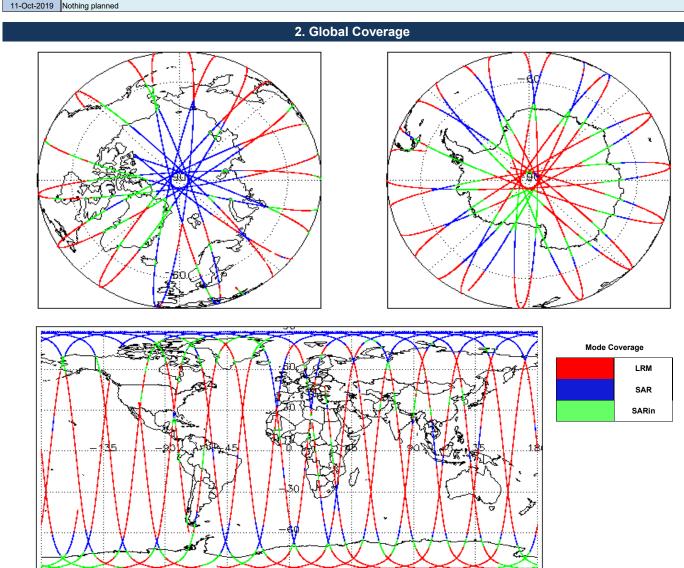


IDEAS+ Daily Report for IOP data:

<u>10/10/2019</u>

Check		
CHECK	L1 & L2	P2P
cience-pds.cryosat.esa.int	Nominal	Nominal
calval-pds.cryosat.esa.int	Nominal	Nominal
t Software Check	Nominal	Nominal
ct Format Check	Nominal	Nominal
t Header Analysis	Nominal	Nominal
ata File Usage Check	Nominal	Nominal
orrection Error Check	See Section 5.4	See Section 6.4
Confidence Data Check	See Section 4.5, 4.6 and 5.5	See Section 6.5
ckscatter Measurement Check	See Section 5.6	See Section 6.6
racking Quality Check	See Section 5.7	See Section 6.7
	calval-pds.cryosat.esa.int t Software Check ct Format Check t Header Analysis ata File Usage Check prrection Error Check Confidence Data Check kscatter Measurement Check	Nominal t Software Check Nominal ct Format Check Nominal ct Format Check Nominal ata File Usage Check Nominal prrection Error Check See Section 5.4 Confidence Data Check See Section 4.5, 4.6 and 5.5 skscatter Measurement Check See Section 5.6

Mission / Instrument News			
09-Oct-2019	None		
10-Oct-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. IOP Level 1B Data Quality Check

4.1 L1B Product Format Check

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

For all products, a series of pre-defined checks are performed on the MPH an	d SPH in order to identify any inconsis	stencies and/or errors raised by the ground-segment processing chain.
L1B Processing Quality HR: The I1b_proc_flag_hr flag is currently set all L1 OSARIn chains. A modification is required in the next release.	B IOPR and IOPN products because	he I1b_processing_quality_hr field is not correctly configured in the OSAR and
Number of products with errors: 0		
4.3 L1B Auxilary Data File Usage Check		
Each product is checked for missing Data Set Descriptors with respect to a pro-	e-determined baseline and also to che	eck the validity of Auxiliary Data Files is correct.
Number of products with errors: 0		
4.4 L1B Auxiliary Correction Error Check		
CryoSat L1B data includes a correction error flag for each measurement recor	d. The bit value of this flag indicates a	any problems when set.
Number of products with errors: 0		
4.5 L1B Measurement Confidence Data Check		
CryoSat L1B data includes a measurement confidence flag for each measurer	ment record. The bit value of this flag	indicates any problems when set.
Attitude Correction Missing: This flag is currently set in error for IOPR produ	ucts due to a configuration issue. This	is being investigated and will be updated in the next SW update.
Number of products with errors: 4		
Product	Test Failed	Description
CS OFFL SIR IOPM1B 20191010T053616 20191010T055221 C001	Power scaling error	There is an error in the scaling of the L1B waveform for one or more records

Power scaling error

Power scaling error

Power scaling error

Test Failed

Loss of Echo

5. IOP Level 2 Data Quality Check

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

There is an error in the scaling of the L1B waveform for one or more

There is an error in the scaling of the L1B waveform for one or more

There is an error in the scaling of the L1B waveform for one or more

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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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

records

records

records

Description

5.2 L2 Product Header Analysis

5.1 L2 Product Format Check

Number of products with errors:

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

CS_OFFL_SIR_IOPM1B_20191010T072237_20191010T073246_C001

CS OFFL SIR IOPM1B 20191010T204026 20191010T204458 C001

CS_OFFL_SIR_IOPM1B_20191010T235909_20191011T000042_C001

CS_OFFL_SIR_IOPM1B_20191010T053616_20191010T055221_C001

CS_OFFL_SIR_IOPM1B_20191010T072237_20191010T073246_C001

CS_OFFL_SIR_IOPM1B_20191010T174149_20191010T175844_C001

CS OFFL SIR IOPN1B 20191010T023717 20191010T024013 C001

CS_OFFL_SIR_IOPN1B_20191010T041812_20191010T041912_C001

CS_OFFL_SIR_IOPN1B_20191010T055611_20191010T055827_C001

CS_OFFL_SIR_IOPN1B_20191010T155726_20191010T160138_C001

CS_OFFL_SIR_IOPN1B_20191010T165042_20191010T165213_C001

CS OFFL SIR IOPN1B 20191010T173618 20191010T173732 C001

CS_OFFL_SIR_IOPN1B_20191010T173917_20191010T174149_C001

CS_OFFL_SIR_IOPN1B_20191010T191541_20191010T191801_C001

CS_OFFL_SIR_IOPR1B_20191010T023515_20191010T023616_C001

CS_OFFL_SIR_IOPR1B_20191010T091515_20191010T092519_C001

CS_OFFL_SIR_IOPR1B_20191010T113825_20191010T114125_C001

CS_OFFL_SIR_IOPR1B_20191010T123128_20191010T123820_C001

CS_OFFL_SIR_IOPR1B_20191010T124314_20191010T124708_C001

CS_OFFL_SIR_IOPR1B_20191010T124959_20191010T125320_C001

CS_OFFL_SIR_IOPR1B_20191010T181155_20191010T181238_C001

Loss of Echo Flag: This flag is currently set for products over land, but this is to be expected.

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4.6 L1B Waveform Group Data Check

Number of products with errors:

Product

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.

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

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. The affected products are not reported in the table below.

> Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over sea ice, but this is to be expected.

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20191010T072237_20191010T073246_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPN_2_20191010T000905_20191010T001223_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPN_2_20191010T014756_20191010T015115_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPN_2_20191010T015639_20191010T015803_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20191010T023717_20191010T024013_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOPN_2_20191010T033457_20191010T033632_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPN_2_20191010T041812_20191010T041912_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPN_2_20191010T051229_20191010T051437_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPN_2_20191010T055611_20191010T055827_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPN_2_20191010T064245_20191010T064432_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20191010T073247_20191010T073653_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPN_2_20191010T083212_20191010T083414_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20191010T114125_20191010T114250_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20191010T132052_20191010T132218_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPN_2_20191010T132729_20191010T133032_C001	Mean Sea Surace (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (EES) Non-Equilibrium Long Derice	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOPN_2_20191010T150113_20191010T150413_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20191010T150631_20191010T151148_C001	Mean Sea Surface (1), Mean Dynamic Topography (1) Iviean Sea Surface (1), Iviean Dynamic	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPN_2_20191010T155726_20191010T160138_C001	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (ES), Non-Equilibrium Long Perior	Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOPN_2_20191010T164107_20191010T164342_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPN_2_20191010T173618_20191010T173732_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOPN_2_20191010T181608_20191010T182206_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20191010T191541_20191010T191801_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPN_2_20191010T195823_20191010T200013_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPN_2_20191010T205518_20191010T205957_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOPN_2_20191010T213801_20191010T213938_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPN_2_20191010T231750_20191010T232137_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPN_2_20191010T235621_20191010T235818_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPR_2_20191010T005924_20191010T010755_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)

CS_OFFL_SIR_IOPR_2_20191010T024013_20191010T024758_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPR_2_20191010T041913_20191010T042456_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPR_2_20191010T055827_20191010T060511_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPR_2_20191010T073653_20191010T074215_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPR_2_20191010T091515_20191010T092519_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPR_2_20191010T105228_20191010T110002_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPR_2_20191010T123128_20191010T123820_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPR_2_20191010T123820_20191010T124029_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPR_2_20191010T141004_20191010T141719_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPR_2_20191010T141719_20191010T141927_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPR_2_20191010T155148_20191010T155613_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPR_2_20191010T155613_20191010T155726_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPR_2_20191010T172948_20191010T173442_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPR_2_20191010T173442_20191010T173618_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPR_2_20191010T184630_20191010T185401_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPR_2_20191010T190931_20191010T191541_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPR_2_20191010T204635_20191010T204645_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPR_2_20191010T204645_20191010T204922_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_IOPR_2_20191010T205103_20191010T205518_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOPR_2_20191010T222913_20191010T223600_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)

5.5 L2 Measurement Confidence Data Check

CryoSat L2 data includes a measurement confidence flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.
Number of products with errors:
4

Product	Test Failed	Description
CS_OFFL_SIR_IOPM_2_20191010T053616_20191010T055221_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOPM_2_20191010T072237_20191010T073246_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOPM_2_20191010T204026_20191010T204458_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOPM_2_20191010T235909_20191011T000042_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. Number of products with errors: 91 Product Test Failed Description Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags CS_OFFL_SIR_IOPM_2_20191009T233202_20191010T000428_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set CS OFFL SIR IOPM 2 20191010T001223 20191010T001744 C001 Backscatter Quality for one or more records. Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags CS_OFFL_SIR_IOPM_2_20191010T005535_20191010T005923_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality set for one or more records.

CALL Data Alterace Resp. BBAR, BBM, BBM, BBM, BBM, BBM, BBM, BBM, BB	CS_OFFL_SIR_IOPM_2_20191010T011106_20191010T012023_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
Operation Description Description Description C3, OHL, SH, UPM Z, ZHERRED (LL, DERIVER) (1990), CERT (LL) CERT (LL) Description	CS_OFFL_SIR_IOPM_2_20191010T012309_20191010T014432_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Displace Displace Displace Displace Displace Cit Cit<	CS_OFFL_SIR_IOPM_2_20191010T015116_20191010T015225_C001		
Dig. OFFL_BILLOWL_2019000002_001000002190.0000 and Backstatte Quilty Charlow where https://where.htttps://where.https://where.https://where.https://where.https://whe	CS_OFFL_SIR_IOPM_2_20191010T015231_20191010T015638_C001		
CBOFF_UBR_UPM_2_20191010702133_0010010712180_00201 and the Dask Schuldt Calling Conf. CBOFF_UBR_UPM_2_00101010712330_0010010712180_00201 Desk Althouth Range, SBA, RMH, and the Schuldt Calling Fage and Schuldt Calling Fage	CS_OFFL_SIR_IOPM_2_20191010T020202_20191010T021142_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Call_OFFL_SR_UGFL_2_D0010101020470_2001010102012_0000 Mol Backgarder Cuality, COG0 See Status	CS_OFFL_SIR_IOPM_2_20191010T021330_20191010T021930_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CPUTL_DPL_UNIL_2_AD1010111122142010101112214_0_001 Backceller Quality Int ore on none record. CBDPHSHV_UNIL_2_D01010112214_0_0011 COCIO Allineater Range Alla Quality COCIO The Cocio Allineater Range Alla Quality COCIO CBDPHSHV_UDIA_2_D010101012212_0_00101010121120_0021 Cocear Allineater Range SHX_SHX The Cocear Allineater Range SHX_SHX CBDPHSHV_UDIA_2_D0101010124720_2010101010141120_CO201 Cocear Allineater Range SHX_SHX The Cocear Allineater Range SHX_SHX CBDPHSHV_UDIA_2_D010101014273_2_D0101010141410_CO201 Cocear Allineater Range SHX_SHX The Cocear Allineater Range SHX_SHX CBDPHSHV_UDIA_2_D010101044522_D10101014412_CO201 Cocear Allineater Range SHX_SHX The Cocear Allineater Range SHX_SHX CBDFHSHV_UDIA_2_D01010104452_D10101014420_CO201 Cocear Allineater Range SHX_SHX The Cocear Allineater Range SHX_SHX CBDFHSHV_UDIA_2_D01010104452_D10101010102432_D0101 Cocear Allineater Range SHX_SHX The Cocear Allineater Range SHX_SHX CBDFHSHV_UDIA_2_D0101010102432_D101010102432_D01010102432_D01010102432_D0101 Cocear Allineater Range SHX_SHX The Cocear Allineater Range SHX_SHX CBDFHSHV_UDIA_2_D01010102432_D01010102432_D01010102432_D01010102432_D01010102432_D01010102432_D01010102432_D01010102432_D01010102432_D01010102432_D01010102432_D01010102432_D01010102432_D01010102432_D01010102432_D010101024342_D01010102432_D01010102432_D01010102432_D01010102432_	CS_OFFL_SIR_IOPM_2_20191010T024758_20191010T032310_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Displace Description Basister Curity In order A more more const. CB_OFFL_SR_UPPL_2.01910107031222_0191010703122_0191010703123_0001 Code Affere Fage, SHA, SVH The Occan Affere Fage, SHA, SVH CB_OFFL_SR_UPPL_2.0191010703122_0191010703123_0001 Code Affere Fage, SHA, SVH The Occan Affere Fage, SHA, SVH CB_OFFL_SR_UPPL_2.0191010704123_0191010704144_0001 Code Affere Fage, SHA, SVH The Occan Affere Fage, SHA, SVH CB_OFFL_SR_UPPL_2.0191010704454_0011 Code Affere Fage, SHA, SVH The Occan Affere Fage, SHA, SVH CB_OFFL_SR_UPPL_2.0191010704454_0011 Code Affere Fage, SHA, SVH The Occan Affere Fage, SHA, SVH CB_OFFL_SR_UPPL_2.0191010704454_0011010705044_0011 Code Affere Fage, SHA, SVH The Occan Affere Fage, SHA, SVH CB_OFFL_SR_UPPL_2.0191010704454_0011010705044_0011 Code Affere Fage, SHA, SVH The Occan Affere Fage, SHA, SVH CB_OFFL_SR_UPPL_2.2191010704454_0011010705044_0011 Code Affere Fage, SHA, SVH The Occan Affere Fage, SHA, SVH CB_OFFL_SR_UPPL_2.21910107054152_0120107051032_0011 COCOG Affere Fage, Code Code Table Fage, SHA, SVH The OCCA Affere Fage, SHA, SVH and Backscafer Cuality Fage Fase been set to God Affere Fage, SHA, SVH and Backscafer Cuality Fage Fase been set to God Affere Fage, SHA, SVH and Backscafer Cuality Fage Fase been set to God Affere Fage, SHA, SVH and Backscafer Cuality Fage Fase been set to God Affere Fage, SH	CS_OFFL_SIR_IOPM_2_20191010T032623_20191010T033123_C001		
CS_DFTL_SIR_UPRL2_20191010703423_201910107034130_001 Minister Range and Backstater Quality Flags have been Affect Range and Backstater Quality Flags have been Affect Range and Backstater Quality Flags And Backstater Quality All and Backstater All	CS_OFFL_SIR_IOPM_2_20191010T033144_20191010T033457_C001		
C6, DFFL_SIR_UPM_2_20191010704274_20191010704419_001 and Backscatter Quality Flags have been Allineter Ranga and Backscatter Quality Flags have been Allineter Ranga and Backscatter Quality Flags have been Allineter Ranga and Backscatter Quality Flags have been all for one or more records. C6_OFFL_SIR_UPM_2_20191010704462_20191010704462_001 Coord Altineter Ranga and Backscatter Quality Flags have been all for one or more records. C6_OFFL_SIR_UPM_2_20191010704462_0191010704462_001 Coord Altineter Ranga and Backscatter Quality Flags have been all for one or more records. C6_OFFL_SIR_UPM_2_20191010704462_01910107046312_01010705102_001 COOG Altineter Ranga and Backscatter Quality Flags have been all for one or more records. C6_OFFL_SIR_UPM_2_20191010705102_010_001 COOG Altineter Ranga CARRANCER Range	CS_OFFL_SIR_IOPM_2_20191010T034223_20191010T041350_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
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CS_OFF_SIR_UOPM_2_201910107051028_201910107051035_C001 Backscatter Quality End one or more records. CS_OFFL_SIR_UOPM_2_201910107051028_201910107051035_C001 DCOG Allimeter Range Quality. OCOG Backscatter Quality The OCOG Allimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_UOPM_2_201910107052011_201910107053016_201910107052012_00101 Cecan Allimeter Range. SSHA, SWH and Backscatter Quality Flags and backscatter Quality. OCOG Allimeter Range. SSHA, SWH and Backscatter Quality Flags and backscatter Quality. OCOG Allimeter Range. SSHA, SWH and Backscatter Quality. Flags and backscatter Quality. COCO Allimeter Range. SSHA, SWH and Backscatter Quality. Flags have been Allimeter Range. SSHA, SWH and Backscatter Quality. Flags and backscatter Quality. COCO Allimeter Range. SSHA, SWH and Backscatter Quality. Flags have been Allimeter Range. SSHA, SWH and Backscatter Quality. Flags and backscatter Quality. COCO Allimeter Range. SSHA, SWH and Backscatter Quality. Flags have been allimeter Range. SSHA, SWH and Backscatter Quality. Flags and backscatter Quality. COCO Allimeter Range. Allimeter Range. SSHA, SWH and Backscatter Quality. COCO Allimeter Range. Allimeter Range. SSHA, SWH and Backscatter Quality. COCO Allimeter Range. Allimeter Range. SSHA, SWH and Backscatter Quality. Flags have been at for one or more records. CS_OFFL_SIR_UOPM_2_201910107064957_201910107064957_201910107064957_201910107064957_201910107064957_201910107064957_201910107064957_201910107065086_20191010706508_20191010706508_20191010706508_20191010706508_20191010706508_20191010706508_20191010706508_20191010706508_20191010706508_20191010706508_20191010706508_20191010706508_20191010706508_20191010706508_20191010706508_20191010706508_2019101070765492_20191010707644_20191010707141_20191010707141_201910	CS_OFFL_SIR_IOPM_2_20191010T044645_20191010T050244_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_201910101051026_00191010105302_0001 Backscatter Quality for one or more records. CS_OFFL_SIR_IOPM_2_201910107052011_201910107053402_0001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, COGO Altimeter Range, SSHA, SWH and Backscatter Quality, COGO Altimeter Range, SSHA, SWH and Backscatter Quality, COGO Backscatter Quality, COGO Backscatt	CS_OFFL_SIR_IOPM_2_20191010T050512_20191010T051021_C001		
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CS_OFFL_SIR_IOPM_2_20191010T0553616_20191010T055221_C001 and Backscatter Quality, COCG and the COCG Altimeter Range and Backscatter Quality Flags have been CS_OFFL_SIR_IOPM_2_20191010T061547_20191010T062604_C001 Cean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been CS_OFFL_SIR_IOPM_2_20191010T061547_20191010T062604_C001 Cean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been CS_OFFL_SIR_IOPM_2_20191010T062744_20191010T064115_C001 Cean Altimeter Range and Backscatter Quality Flags have been CS_OFFL_SIR_IOPM_2_20191010T064432_20191010T064432_20191010T064432_20191010T064432_20191010T064432_20191010T064432_20191010T064432_20191010T064432_20191010T064432_20191010T064432_20191010T065006_C001 CCCG Altimeter Range Quality, OCCG CS_OFFL_SIR_IOPM_2_20191010T064957_20191010T065006_C001 CCCG Altimeter Range Quality, OCCG The OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20191010T065012_20191010T065014_C001 OCCG Altimeter Range Quality, OCCG The OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20191010T065048_C001 OCCG Altimeter Range SHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20191010T065948_C001 OCCGA Altimeter Range SHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20191010T07141_20191010T071227_C001 OCGGA Altimeter Range SHA, SWH and Backscatter	CS_OFFL_SIR_IOPM_2_20191010T052011_20191010T053402_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
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CS_OFFL_SIR_IOPM_2_20191010T062744_20191010T064115_0001 and Backscatter Quality and the OCOC Altimeter Range and Backscatter Quality and the OCOC Altimeter Range and Backscatter Quality set for one or more records. CS_OFFL_SIR_IOPM_2_20191010T064432_20191010T064932_0001 OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20191010T064957_20191010T065006_C001 OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20191010T065012_20191010T065014_C001 OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20191010T065012_20191010T065348_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20191010T065808_20191010T065348_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been alt for one or more records. CS_OFFL_SIR_IOPM_2_20191010T07141_20191010T071227_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been alt for one or more records. CS_OFFL_SIR_IOPM_2_20191010T07141_20191010T071953_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been alt for one or more records. CS_OFFL_SIR_IOPM_2_20191010T075442_20191010T073246_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags	CS_OFFL_SIR_IOPM_2_20191010T061547_20191010T062604_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_201910101064432_201910101064932_0001 Backscatter Quality for one or more records. CS_OFFL_SIR_IOPM_2_201910101064957_201910101065006_0001 OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_201910101065012_201910101065014_0001 OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_201910101065808_201910101065948_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_201910101065808_201910101065948_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20191010107071414_201910101071953_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality. OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags anave been set for one or more records.	CS_OFFL_SIR_IOPM_2_20191010T062744_20191010T064115_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_201910101065012_201910101065014_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_IOPM_2_201910101065012_201910101065114_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_201910101065808_201910101065948_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, and Backscatter Quality, Flags have been and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, Flags have been altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been altimeter Range and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been altimeter Range, SSHA, SWH and Backscatter Quality Flags have been altimeter Range and Backscatter Quality, Flags have been altimeter Range and Backscatter Quality, COOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been altimeter Range and Backscatter Quality, Fl	CS_OFFL_SIR_IOPM_2_20191010T064432_20191010T064932_C001		
CS_OFFL_SIR_IOPM_2_201910101065012_201910101065114_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_IOPM_2_201910101065808_201910101065948_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags hand Backscatter Quality, OCOG and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags <br< td=""><td>CS_OFFL_SIR_IOPM_2_20191010T064957_20191010T065006_C001</td><td></td><td></td></br<>	CS_OFFL_SIR_IOPM_2_20191010T064957_20191010T065006_C001		
CS_OFFL_SIR_IOPM_2_20191010T065808_20191010T065948_C001and Backscatter Quality, OCOG Altimeter Range and Backscatter Qualityand the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.CS_OFFL_SIR_IOPM_2_20191010T070141_20191010T071227_C001Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter QualityThe Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Ran	CS_OFFL_SIR_IOPM_2_20191010T065012_20191010T065114_C001		
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CS_OFFL_SIR_IOPM_2_20191010T071414_20191010T071953_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20191010T072237_20191010T073246_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality Flags have been and Backscatter Quality, OCOG CS_OFFL_SIR_IOPM_2_20191010T072237_20191010T073246_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20191010T075842_20191010T081935_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality, OCOG	CS_OFFL_SIR_IOPM_2_20191010T070141_20191010T071227_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20191010T072237_20191010T073246_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20191010T075842_20191010T075842_20191010T081935_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been and Backscatter Quality, OCOG	CS_OFFL_SIR_IOPM_2_20191010T071414_20191010T071953_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPM_2_20191010T075842_20191010T081935_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_IOPM_2_20191010T072237_20191010T073246_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_IOPM_2_20191010T075842_20191010T081935_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_IOPM_2_20191010T082509_20191010T082849_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T082856_20191010T082904_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T082911_20191010T083212_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T083612_20191010T090308_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T093511_20191010T095916_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T100251_20191010T100802_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T100809_20191010T101137_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T101536_20191010T104831_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T110115_20191010T110336_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T111119_20191010T112921_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T113440_20191010T113825_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T114250_20191010T114836_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T115619_20191010T122811_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T124029_20191010T124217_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T125941_20191010T130529_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T130542_20191010T131646_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T132218_20191010T132729_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T133435_20191010T135541_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T135704_20191010T140958_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T141927_20191010T142147_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T143730_20191010T145618_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T150413_20191010T150630_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T151402_20191010T154756_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T160151_20191010T162114_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T162143_20191010T163445_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T164342_20191010T164538_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T165314_20191010T170801_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_IOPM_2_20191010T171004_20191010T171924_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T173732_20191010T173917_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T174149_20191010T175843_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T180325_20191010T180643_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T182206_20191010T182501_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T182511_20191010T182942_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T183254_20191010T184630_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T190135_20191010T190307_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T192112_20191010T192336_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T192459_20191010T193048_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T193333_20191010T195628_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T200013_20191010T200842_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T201221_20191010T203644_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T210805_20191010T213536_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T214226_20191010T214642_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T215152_20191010T221649_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T221744_20191010T221949_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T222640_20191010T222913_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T224257_20191010T231314_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T232137_20191010T232722_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPM_2_20191010T233100_20191010T233502_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20191010T003201_20191010T003322_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20191010T003957_20191010T004141_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20191010T005140_20191010T005219_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20191010T143644_20191010T143730_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20191010T203645_20191010T204026_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20191010T232722_20191010T232836_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_IOPR_2_20191010T002352_20191010T002419_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T024013_20191010T024758_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T042510_20191010T042621_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T091515_20191010T092519_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T110034_20191010T110114_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T173442_20191010T173618_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Attimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Attimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T181155_20191010T181238_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_IOPN_2_20191010T003753_20191010T003820_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20191010T005438_20191010T005535_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20191010T010756_20191010T011029_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20191010T014756_20191010T015115_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20191010T021930_20191010T022133_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20191010T033457_20191010T033632_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20191010T050332_20191010T050512_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20191010T055611_20191010T055827_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20191010T061343_20191010T061546_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20191010T071228_20191010T071414_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20191010T073247_20191010T073653_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20191010T075311_20191010T075707_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20191010T082215_20191010T082509_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20191010T092531_20191010T092648_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20191010T093327_20191010T093511_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20191010T100114_20191010T100250_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPN_2_20191010T101137_20191010T101303_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

C2 OPEL DRI (OPEL 201010111402, 2010010111403, C010 C000 Alternative Gastry FLML Inter C000 Alternative Gastry FLML C3, OPEL DRI (OPEL 2010101112012, 20100101112012, C010 C000 Alternative Gastry FLML To C000 Alternative Gastry FLML C3, OPEL DRI (OPEL 2010101112012, 20100101112012, C010 C000 Alternative Gastry FLML To C000 Alternative Gastry FLML C3, OPEL DRI (OPEL 2010101112012, 20100101112012, C010 C000 Alternative Gastry FLML To C000 Alternative Gastry FLML C3, OPEL DRI (OPEL 20100101112012, 20100101112012, C010 C000 Alternative Gastry FLML To C000 Alternative Gastry FLML C3, OPEL DRI (OPEL 20100101112012, 20100101115012, C010 C000 Alternative Gastry FLML To C000 Alternative Gastry FLML C3, OPEL DRI (OPEL 20100101110112, 2010010115012, C010 C000 Alternative Gastry FLML To C000 Alternative Gastry FLML C3, OPEL DRI (OPEL 20100101110112, 2010010115012, C010 C000 Alternative Gastry FLML To C000 Alternative Gastry FLML C3, OPEL DRI (OPEL 20100101110112, 2010010115012, C010 C000 Alternative Gastry FLML To C000 Alternative Gastry FLML C3, OPEL DRI (OPEL 20100101110112, 2010010115012, C010 C000 Alternative Gastry FLML To C000 Alternative Gastry FLML C3, OPEL DRI (OPEL 2010001112012, 2010001115012, C010 C000 Alternative Gastry FLML To C000 Alternative Gastry FLML C3, OPEL DRI (OPEL 2010001112012, 2010001112012, C0100 C000 Alternative Gastry FLML To C000 Alternative Gastry FLML <th>CS_OFFL_SIR_IOPN_2_20191010T104832_20191010T105227_C001</th> <th>OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality</th> <th>The OCOG Range and Backscatter Quality Flags have been set for one or more records.</th>	CS_OFFL_SIR_IOPN_2_20191010T104832_20191010T105227_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CIUMUNEQUATION Control and Control and Control COOD Baskster Guinty Instruments CIUMUNEQUATION CONTROL 2019/01/11/2216 COOD Almeet Revg Guinty File Instruments CIUMUNEQUATION CONTROL 2019/01/11/2216 COOD Almeet Revg Guinty File Instruments CIUMUNEQUATION CONTROL 2019/01/11/2216 COOD Almeet Revg Guinty File Instruments CIUMUNEQUATION CONTROL 2019/01/11/2216 COOD Almeet Revg Guinty File Instruments CIUMUNEQUATION CONTROL 2019/01/11/2216 COOD Almeet Revg Guinty File Instruments CIUMUNEQUATION CONTROL 2019/01/11/2216 COOD Almeet Revg Guinty File Instruments CIUMUNEQUATION CONTROL 2019/01/11/2216 COOD Almeet Revg Guinty File Instruments	CS_OFFL_SIR_IOPN_2_20191010T114836_20191010T114855_C001		
View Of Execution California Disact, 2019 Vol 10 2006, 2019 Color Baunchard Calify mean tracking California California Disact, 2019 Vol 10 2006, 2019 Color Baunchard Calify mean tracking California California Disact, 2019 Vol 10 2006, 2019 Vol 11 2007, 2019 Vol 11	CS_OFFL_SIR_IOPN_2_20191010T122812_20191010T123128_C001		
Cited, Carel, Law, Lowe, 2, 2019/00/0712822, 2019/10/172822, 2019/10/172822, 2019/10/07128212, 2019/10/07128222, 2019/10/0712822, 2019/10/07128222, 2019/10/07128	CS_OFFL_SIR_IOPN_2_20191010T132052_20191010T132218_C001		
Concern Landow Control Concern Advances Frage SERA Mile SERA Mile Concern Advances Frage SERA Mile Concern Advances Frage SERA Mile SERA Mile Concern Advances Frage SERA Mile	CS_OFFL_SIR_IOPN_2_20191010T132729_20191010T133032_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
C6, 0FTL_SRL_0PL_2.0191010T16013_019101T170014_019101T16013_019101T170014_019001T170014_0190001T170014_0190001T170014_0190001T170014_0190001T170014_0190001T170014_01900001T170014_01900001T170014_01900001T170014_01900001T170014_01900001T170014_019000001T170014_01900000000000000000000000000000000	CS_OFFL_SIR_IOPN_2_20191010T143644_20191010T143730_C001		
DC-PFL_SR_QPH_2_001910101103004_201910101103004_0001 DCOG Bankscatter Guilly new records. DC_GR_SR_QPH_2_001910101103004_201910101103104_CO01 DCOG Allenter Range Duilty PLMM. The COC0 Range and Backscatter Cuality Flags have been set for one or new records. DC_GR_SR_QPH_2_00191011103004_201910101103104_CO01 DCGG Allenter Range SHA SWH of the Coc0 Range and Backscatter Cuality Flags have been set for one or new records. DC_GR_SR_QPH_2_00191011103004_201910101103104_CO01 DCGG Allenter Range and Backscatter Cuality Flags. DC_GR_SR_QPH_2_00191011103004_201910101102103_CO01 DCGG Allenter Range Cuality FLMM. DCGG Allenter Range Cuality FLMM. The OCO0 Range and Backscatter Cuality Flags have been set for one or new records. DCGG Allenter Range Cuality FLMM. The OCO0 Range and Backscatter Cuality Flags have been set for one or new records. DCGG Allenter Range Cuality FLMM. The OCO0 Range and Backscatter Cuality Flags have been set for one or new records. DCGG Allenter Range Cuality FLMM. The OCO0 Range and Backscatter Cuality Flags have been set for one or new records. DCGG Allenter Range Cuality FLMM. The OCO0 Range and Backscatter Cuality Flags have been set for one or new records. DCGG Allenter Range Cuality FLMM. The OCO0 Range and Backscatter Cuality Flags have been set for one or new records. DCGG Allenter Range Cuality FLMM. The OCO0 Range and Backscatter Cuality Flag	CS_OFFL_SIR_IOPN_2_20191010T150113_20191010T150413_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Caperty 2, 2019/01/01/2019/2019/01/11/2019, 2019/01/01/11/2019, 2001 COCG Alterister Range and Statisticater Quality Flags have been act for one of more reactifs. CS_OFFL_SIR_JOPH_2_2019/01/01/11/2019, 2019/01/01/11/2019, 2001 COCG Alterister Range Quality PLRM, The OCOGR Range and Backscatter Quality Flags have been act for one of more reactifs. CS_OFFL_SIR_JOPH_2_2019/01/01/11/2019, 2019/01/01/11/2019, 2001 COCG Alterister Range Quality PLRM, The OCOGR Range and Backscatter Quality Flags have been act for one of more reactifs. CS_OFFL_SIR_JOPH_2_2019/01/01/11/2019, 2019/01/01/11/2019, 2001 COCGR Alterister Range Quality PLRM, The OCOGR Range and Backscatter Quality Flags have been act for one or more reactifs. CS_OFFL_SIR_JOPH_2_2019/01/01/11/2019, 2019/01/01/11/2029, 2001 COCGR Alterister Range Quality PLRM, The OCOGR Range and Backscatter Quality Flags have been act for one or more reactifs. CS_OFFL_SIR_JOPH_2_2019/01/01/11/2029, 2019/01/01/11/2029, 2019/01/01/11/2029, 2019/01/01/11/2029, 2019/01/01/11/2029, 2019/01/01/11/2029, 2019/01/0	CS_OFFL_SIR_IOPN_2_20191010T155053_20191010T155148_C001		• • •
GS_OFFL_SIR_JOPN_2_20191010T104142_20101 and Booscentr Outling FLAM. COOD and Booscentr Outling FLAM. COOD GS_OFFL_SIR_JOPN_2_20191010T105042_20191010T105213_CO01 and Booscentr Outling FLAM. COOD http://doi.org/10.1011/j.j.p.10111/j.j.j.j.p.10111/j.j.j.p.1011/j.j.j.j.p.1011/j.j.j.j.p.1011/j.j	CS_OFFL_SIR_IOPN_2_20191010T155726_20191010T160138_C001		
CS_OFFL_SIR_JOPN_2_20191010716243_0010 and Backscatter Quality PLRM_COSC The Occon Alimeter Range Duality PLRM_COSC CS_OFFL_SIR_JOPN_2_20191010717394_20191010717322_CO01 COCO Alimeter Range Duality PLRM, COCO Range and Backscatter Quality FLRM, COCO Range and Backscatter Quality FLRM, PROC RANGER Range Public PLRM, COCO Range and Backscatter Quality FLRM, PLRM, The COCO Range and Backscatter Quality FLRM, PLRM, RANG The COCO Range and Backscatter Quality FLRM, PLRM, The COCO Range and Backscatter Quality FLRM, PLRM, RANG The COCO Range and Backscatter Quality FLRM, RANG The COCO Range and	CS_OFFL_SIR_IOPN_2_20191010T164107_20191010T164342_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
OpenLipsR_QDPL_2.801900101712282_0001 OCCOR Backscatter Quality more records. CS_OFFL_SIR_IOPN_2_2019101017173618_2019101017173732_0001 OCCOR Backscatter Quality The OCCOR Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_2019101017173618_201910101718243_0001 OCCOR Backscatter Quality The OCCOR Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20191010718243_001910107182206_0001 OCCOR Backscatter Quality The OCCOR Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_201910107182043_01910107182206_0001 OCCOR Backscatter Quality Flags The OCCOR Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_201910107182043_201910107182126_0001 OCCOR Altmeter Range Quality FLRM. The OCCOR Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_201910107182843_201910107204026_0001 OCCOR Altmeter Range Quality PLRM. The OCCOR Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_201910107204458_201910107204426_0001 OCCOR Altmeter Range Quality PLRM. The OCOR Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_201910107204458_201910107204426_0001 OCCOR Altmeter Range Quality PLRM. The OCOC Range and Backscatter Quality Flags have been set	CS_OFFL_SIR_IOPN_2_20191010T165042_20191010T165213_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFF_SIR_UOR_2_20191010173618_20191010118243_C001 OCCOG Backscatter Quality PLRM, DCCOG Backscatter Quality PLRM, DCCOG Backscatter Quality PLRM, DCCOG Backscatter Quality PLRM, DCCOG Altimeter Range Altimater Range SNA, SMH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_JOPN_2_201910107206518_201910107206420_C001 DCCOG Altimeter Range Quality PLRM, DCCOG Altimeter Range and Backscatter Quality Flags have been set for one or DCCOG Altimeter Range Quality PLRM, DCCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_JOPN_2_201910107216600_201910107216604_C001 DCCOG Altimeter Range Quality P	CS_OFFL_SIR_IOPN_2_20191010T171924_20191010T172259_C001		
DS_OPEL_SIR_IOPM_2_201910101118284_2001 OCCG Backscatter Quality The OCCG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20191010718208_20191010718208_2001 OCCG Altimeter Range Quality PLRM. OCCG The OCCG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20191010718208_20191010718208_0001 OCCG Altimeter Range Quality PLRM. OCCG The OCCG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20191010718208_20191010720030_C001 OCCG Altimeter Range Quality PLRM. The OCCG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20191010720345_201910107204028_0001 OCCG Altimeter Range Quality PLRM. The OCCG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_20191010720345_20191010720428_0001 OCCG Altimeter Range Quality PLRM. The OCCG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_201910107204458_20191010720428_0001 OCCG Altimeter Range Quality PLRM. The OCCG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_201910107204458_00191010720557_C001 OCCG Altimeter Range Quality PLRM. OCCG Altimeter Range Quality PLRM. OCCG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPM_2_201910107210042_01910107210805_C001 OCCGA Altimeter Range Quality PLRM. OCCG Backscatter Quality Flags have been set f	CS_OFFL_SIR_IOPN_2_20191010T173618_20191010T173732_C001		
CS_OFFL_SIR_IOPN_2_20191010T182843_20191010T183126_C001 OCCG Backscatter Quality more records. CS_OFFL_SIR_IOPN_2_20191010T182843_20191010T183126_C001 OCCG Altimeter Range SSHA_SWH Attenseter Range Quality PLRM, OCCG Attenseter Range Quality PLRM, OCCG Backscatter Quality The OCCG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20191010T189823_20191010T200013_C001 OCCG Altimeter Range Quality PLRM, OCCG Backscatter Quality The OCCG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20191010T204645_20191010T204026_C001 OCCG Altimeter Range Quality PLRM, OCCG Backscatter Quality The OCCG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20191010T204626_C001 OCCG Altimeter Range Quality PLRM, OCCG Backscatter Quality The OCCG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20191010T204626_C001 OCCG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20191010T210642_20191010T210205_C001 OCCG Altimeter Range Quality PLRM, OCCG Backscatter Quality The OCCG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20191010T210800_20191010T210804_C001 OCCG Altimeter Range Quality PLRM, OCCG Backscatter Quality The OCCCG Range and Backscatter Quality Flags have been set for one or m	CS_OFFL_SIR_IOPN_2_20191010T175844_20191010T180243_C001		
CS_OFFL_SIR_IOPN_2_201910107182943_20191010T183126_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20191010T195823_20191010T200013_C001 OCOG Attimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20191010T203645_20191010T204026_C001 OCOG Attimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20191010T204458_20191010T204026_C001 OCOG Attimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20191010T20458_20191010T204620_C001 OCOG Attimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20191010T21042_20191010T210205_C001 OCOG Attimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20191010T210804_C001 OCOG Attimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20191010T2	CS_OFFL_SIR_IOPN_2_20191010T181608_20191010T182206_C001		
CS_OFFL_SIR_IOPN_2_2019101012003_201910101200013_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_IOPN_2_201910101200365_201910101204026_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_201910107204458_201910107204620_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_201910107205518_201910107205957_C001 Ocona Altimeter Range And Backscatter Quality PLRM The OCOG Range and Backscatter Quality Flags and Backscatter Quality PLRM The OCOG Range and Backscatter Quality Flags and Backscatter Quality PLRM The OCOG Range and Backscatter Quality Flags and Backscatter Quality PLRM The OCOG Range and Backscatter Quality Flags are for one or more records. CS_OFFL_SIR_IOPN_2_201910107210042_201910107210205_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_201910107210804_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_201910107213801_201910107214938_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20191010721492_20191010	CS_OFFL_SIR_IOPN_2_20191010T182943_20191010T183126_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPN_2_201910101204458_20191010120426_0_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_IOPN_2_201910101204458_201910107204620_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_201910107205518_201910107205957_C001 Docan Altimeter Range, SSHA, SWH and Backscatter Quality The OCOG Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM CS_OFFL_SIR_IOPN_2_201910107210042_201910107210205_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_201910107210600_201910107210205_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_201910107210600_201910107210804_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_201910107213801_201910107214938_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_201910107214642_201910107214225_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPN_2_20191010T195823_20191010T200013_C001		
CS_OFFL_SIR_IOPN_2_201910101204436_20191010120480_C001 OCCG Backscatter Quality more records. CS_OFFL_SIR_IOPN_2_201910101205518_201910101205957_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality FLRM, OCCG Altimeter Range and Backscatter Quality FLRM, OCCG Altimeter Range Quality PLRM, The OCCG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_201910107210042_201910107210205_C001 OCCG Altimeter Range Quality PLRM, OCCG Backscatter Quality PLRM, The OCCG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_201910107210600_201910107210804_C001 OCCG Altimeter Range Quality PLRM, OCCG Backscatter Quality PLRM, OCCG Backscatter Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_201910107213801_201910107213938_C001 OCCGG Altimeter Range Quality PLRM, OCCG Backscatter Quality PLRM, OCCG Backscatter Quality PLRM, OCCG Backscatter Quality PLRM, OCCG Altimeter Range Quality PLRM, OCCG Altimeter Range Quality PLRM, OCCG Altimeter Range Quality PLRM, OCCG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_201910107214032_0010107214932_C001 OCCG Altimeter Range Quality PLRM, OCCG Altimeter Range Quality PLRM, OCCG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_201910107214642_201910107214932_C001 OCCG Altimeter Range Quality PLRM, OCCG Altimeter Range Qua	CS_OFFL_SIR_IOPN_2_20191010T203645_20191010T204026_C001		
CS_OFFL_SIR_IOPN_2_20191010T205518_20191010T205957_C001 and Backscatter Quality PLRM, OCOG Attimeter Range and Backscatter Quality PLRM PLRM Inte OCGA flumeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20191010T210042_20191010T210205_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20191010T210600_20191010T210804_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20191010T213801_20191010T213838_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20191010T214801_20191010T214225_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20191010T214642_20191010T214932_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20191010T214642_20191010T214932_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_20191010T232	CS_OFFL_SIR_IOPN_2_20191010T204458_20191010T204620_C001		
CS_OFFL_SIR_IOPN_2_201910101210042_201910101210203_C001 OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_201910107210804_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_201910107213801_201910107213938_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_201910107214103_201910107214225_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_201910107214642_201910107214932_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_201910107214642_201910107214932_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_201910107232722_201910107232836_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPN_2_20191010T205518_20191010T205957_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPN_2_201910101210800_201910101210804_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_IOPN_2_201910101213801_201910107213938_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_201910107214103_201910107214225_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_201910107214642_201910107214932_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_201910107214642_201910107214932_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_201910107232722_201910107232836_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOFN_2_20191010T210042_20191010T210205_C001		
CS_OFFL_SIR_IOPN_2_201910101213801_201910101213935_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_IOPN_2_201910101214103_201910101214225_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_201910107214642_201910107214932_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_201910107232722_201910107232836_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPN_2_20191010T210600_20191010T210804_C001		
CS_OFFL_SIR_IOPN_2_201910101214105_201910101214225_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_IOPN_2_201910107214642_201910107214932_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPN_2_201910107232722_201910107232836_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPN_2_20191010T213801_20191010T213938_C001		
CS_OFFL_SIR_IOPN_2_201910101232722_201910101232836_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_IOPN_2_201910107232722_201910107232836_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPN_2_20191010T214103_20191010T214225_C001		
CS_OFFL_SIR_IOPN_2_20191010T232722_20191010T232836_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records	CS_OFFL_SIR_IOPN_2_20191010T214642_20191010T214932_C001	OCOG Backscatter Quality	
	CS_OFFL_SIR_IOPN_2_20191010T232722_20191010T232836_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPN_2_20191010T234411_20191010T234745_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OC	CS_OFFL_SIR_IOPN_2_20191010T234411_20191010T234745_C001		

CS_OFFL_SIR_IOPR_2_201910107035821_00191010703			
CS_UPL_SR_UPPL_20110100128201_20191010720202 0000 Backstaff Cultify CS_OFF_SR_UPPL_2011010700042_20191010700005_000 Minister Rags_SSHA SWH and backstaff Cultify The Ocean Attender Rags and Backstaffer Cultify Flags the COOS Attender Rags and Backstaffer Cultify Flags the COOS Attender Rags and Backstaffer Cultify Flags and ECOOS Attender Rags and Backstaffer Cultify Flags the COOS Attender Rags and Backstaffer Cultify Flags the COOS Attender Rags and Backstaffer Cultify Flags and the COOS Attender Rags and Backstaffer Cultify Flags and the COOS Attender Rags and Backstaffer Cultify Flags the COOS Attender Rags and Backstaffer Cultify Flags and the COOS Attender Rags and Backstaffer Cultify Flags and the COOS Attender Rags and Backstaffer Cultify Flags have been at for one or none records. CS_OFF_SR_UOPR_2_D010101700649_20191011700649_CO01 0000 Attender Rags Cultify FLAM, Minisfer Rags and Backstaffer Cultify COOS Attender Rags Cultify FLAM, of COOS Attender Rags Cultify FLAM, and Radstaff Rags and Backstaffer Cultify Flags have been at for one or none records. CS_OFF_SR_UOPR_2_D010101700524_201910101700526_2010 0000 Attender Rags Cultify FLAM, OCOO Attender Rags and Backstaffer Cultify Flags have been and to coos Attender Rags SSH, SSH1 and the COOS Attender Rags SSH, SSH1 and the COOS Attender Rags SSH, SSH1 and the COOS Attender Rags and Backstaffer Cultify Flags have been after Coos Attender Rags and Backstaffer Cultify Flags have been after Coos Attender Rags SSH, SSH1 and the COOS Attender Rags and Backstaffer Cultify Flags have been after Coos Attender Rags SSH, SSH1 and the COOS Attender Rags SSH, SSH1 and the COOS Attender Rags SSH, SSH1 and the COOS Attender Rags and Backstaffer Cultify Flags have been after Coos Attender Rags SSH, SSH1 and the COOS Attender Rags SSH, SSH1 and the COOS Atte	CS_OFFL_SIR_IOPN_2_20191010T234802_20191010T234940_C001		
C3_OFFL_SIR_IOPR_2_20191010700040_20191010700040_C001 Ammedia Range and Backscatter Quality Flags have been after events. C3_OFFL_SIR_IOPR_2_20191010700401_20191010700200_C001 C3_OFFL_SIR_IOPR_2_20191010700401_20191010700200_C001 C3_OFFL_SIR_IOPR_2_20191010700401_20191010700200_C001 C3_OFFL_SIR_IOPR_2_20191010700401_20191010700200_C001 C3_OFFL_SIR_IOPR_2_20191010700401_20191010700500_C001 C3_OFFL_SIR_IOPR_2_20191010700401_20191010700500_C001 C3_OFFL_SIR_IOPR_2_20191010700401_20191010700500_C001 C3_OFFL_SIR_IOPR_2_20191010700401_20191010700500_C001 C3_OFFL_SIR_IOPR_2_20191010700401_20191010700500_C001 C3_OFFL_SIR_IOPR_2_20191010700401_20191010700500_C001 C3_OFFL_SIR_IOPR_2_20191010700401_20191010701675_C001 C3_OFFL_SIR_IOPR_2_201910107014755_C001 C3_OFFL_SIR_IOPR_2_201910107034052_201001 C3_OFFL_SIR_IOPR_2_201910107034052_201001 C3_OFFL_SIR_IOPR_2_201910107034052_201001 C3_O	CS_OFFL_SIR_IOPN_2_20191010T235621_20191010T235818_C001	3	
C3_OFFL_SIR_UOPR_2_20191010T001304_20191010T002307_C001 mm 6 Backsatter Quality FURM COCO Ammeter Range and Backsatter Quality Fuge have been set for one or more records. C3_OFFL_SIR_UOPR_2_20191010T002452_5_09191010T005419_C001 C3_OFFL_SIR_UOPR_2_20191010T002452_5_09191010T005419_C001 C3_OFFL_SIR_UOPR_2_20191010T002452_5_09191010T005419_C001 C3_OFFL_SIR_UOPR_2_20191010T014432_00191010T01459_C001 C3_OFFL_SIR_UOPR_2_20191010T014432_00191010T01459_C001 C3_OFFL_SIR_UOPR_2_20191010T014432_00191010T01459_C001 C3_OFFL_SIR_UOPR_2_20191010T014432_00191010T012202_C001 C3_OFFL_SIR_UOPR_2_20191010T014432_00191010T012202_C001 C3_OFFL_SIR_UOPR_2_20191010T014332_00191010T012202_C001 C3_OFFL_SIR_UOPR_2_20191010T014332_00191010T012202_C001 C3_OFFL_SIR_UOPR_2_20191010T014332_00191010T02202_C001 C3_OFFL_SIR_UOPR_2_20191010T014332_00191010T02202_C001 C3_OFFL_SIR_UOPR_2_20191010T014332_00191010T02202_C001 C3_OFFL_SIR_UOPR_2_20191010T014332_00191010T02202_C001 C3_OFFL_SIR_UOPR_2_20191010T014332_00191010T02202_C001 C3_OFFL_SIR_UOPR_2_20191010T014332_00191010T02202_C001 C3_OFFL_SIR_UOPR_2_20191010T0122012_C001 C3_OFFL_SIR_UOPR_2_20191010T0122012_2001 C3_OFFL_SIR_UOPR_2_20191010T0122012_2010 C3_OFFL_SIR_UOPR_2_20191010T0122012_2010 C3_OFFL_SIR_UOPR_2_20191010T022012_2010 C3_OFFL_SIR_UOPR_2_20191010T023212_2001 C3_OFFL_SIR_UOPR_2_20191010T023212_2001 C3_OFFL_SIR_UOPR_2_20191010T023212_2001 C3_OFFL_SIR_UOPR_2_20191010T023212_2001 C3_OFFL_SIR_UOPR_2_20191010T023212_2001 C3_OFFL_SIR_UOPR_2_20191010T023212_2001 C3_OFFL_SIR_UOPR_2_20191010T023212_201001 C3_O	CS_OFFL_SIR_IOPR_2_20191010T000429_20191010T000905_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_DFL_SR_UPR_2_0191010100849_01910100849_019101010850_001 OCCOB Backscatter Quality more recode. CS_OFFL_SIR_UPR_2_201910101005225_01910101006419_0001 OCCOB Backscatter Quality The Occos Attempter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_UPR_2_201910101005225_019101010101675_0001 OCCOS Backscatter Quality PLRM, OCCOS Backscatter Quality Flags, SSHA, SWH and Backscatter Quality Flags, have been set for one or more records. CS_OFFL_SIR_UPR_2_2019101010104432_001910101014756_0001 Deam Attimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_UPR_2_20191010101016803_001910101020202_0001 Deam Attimeter Range SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_UPR_2_20191010101020202_0001 Ocean Attimeter Range SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_UPR_2_201910101020202_0001 Ocean Attimeter Range SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_UPR_2_2019101010202321_00191010702728_0001 Ocean Attimeter Range SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_UPR_2_201910101023232_01910107032428_0001 Deam Attimeter Range SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_UPR_2_201910101033832_01910107032428_0001 Deam Attimeter Range SSHA, SWH and Backscatter Quality Flags have bee	CS_OFFL_SIR_IOPR_2_20191010T001904_20191010T002307_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_DFL_SIR_UPR_2_201910107005224_201910107010755_C001 COCG Backscatter Guality PLRM, COCG more records. CS_OFFL_SIR_UPR_2_201910107005224_201910107010755_C001 min Backscatter Guality PLRM, COCG more records. CS_OFFL_SIR_UPR_2_20191010701432_201910107014756_C001 Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been active cords. CS_OFFL_SIR_UPR_2_201910107014322_201910107014756_C001 Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been active cords. CS_OFFL_SIR_UPR_2_201910107024013_201910107024758_C001 More Range, SSHA, SWH and Backscatter Quality Flags have been active cords. CS_OFFL_SIR_UPR_2_201910107032413_201910107024758_C001 More Range, SSHA, SWH and Backscatter Quality Flags have been adtrop Strate Quality Flags have be	CS_OFFL_SIR_IOPR_2_20191010T004619_20191010T005020_C001		
CS_OFFL_SIR_JOPR_2_201910107005924_201910107010755_C001 and Backstaffer Quality PLRM, OCG Allineter Range, SSHA, SWH and Backstaffer Quality Flags have been af or one or more records. CS_OFFL_SIR_JOPR_2_201910107014432_201910107014756_C001 Winter Range, SSHA, SWH and Backstaffer Quality Flags have been af or one or more records. CS_OFFL_SIR_JOPR_2_20191010701432_20191010702020_C001 Winter Range, SSHA, SWH and Backstaffer Quality PLRM, OCG Allineter Range, SSHA, SWH and Backstaffer Quality Flags have been af tor one or more records. CS_OFFL_SIR_JOPR_2_201910107024013_201910107024026_C001 Winter Range, SSHA, SWH and Backstaffer Quality PLRM, OCG Allineter Range, SSHA, SWH and Backstaffer Quality Flags have been for one or more records. CS_OFFL_SIR_JOPR_2_201910107024013_201910107024758_C001 Winter Range, SSHA, SWH and Backstaffer Quality PLRM, OCG Allineter Range, SSHA, SWH and Backstaffer Quality Flags have been for one or more records. CS_OFFL_SIR_JOPR_2_20191010703231_201910107032428_C001 Winter Range, SSHA, SWH and Backstaffer Quality PLRM, OCG Allineter Range, SSHA, SWH and Backstaffer Quality PLRM, OCG Allineter Range, SSHA, SWH and Backstaffer Quality PLRM, OCG Allineter Range, SSHA, SWH and Backstaffer Quality Flags have been for one or more records. CS_OFFL_SIR_JOPR_2_201910107033030_201910107034223_C001 Winter Range, SSHA, SWH and Backstaffer Quality PLRM, OCG Allineter Range, SSHA, SWH and Backstaffer Quality Flags have been for one or more records. CS_OFFL_SIR_JOPR_2_201910107034323_C001 OCean Allineter Range, SSHA, SWH and Backstaffer Quality PLRM, OCG Allineter Range and Backstaffer Quality Flags have been set for one	CS_OFFL_SIR_IOPR_2_20191010T005225_20191010T005419_C001		
CS_OFFL_SIR_IOPR_2_201910107014432_201910107014756_C001 and Backscatter Quality Flags Mark Decards Quality Fla	CS_OFFL_SIR_IOPR_2_20191010T005924_20191010T010755_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_201910107032020_C001 and Backscatter Quality PLRM_COCG Ine Observation Range and Backscatter Quality Plags have been set for one or more records. CS_OFFL_SIR_IOPR_2_201910107024013_201910107024758_C001 Microsofter Range and Backscatter Quality PLRM_COCG Ine Observation Range and Backscatter Quality Plags have been set for one or more records. CS_OFFL_SIR_IOPR_2_201910107032311_201910107032428_C001 Microsofter Range and Backscatter Quality Plags and the OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_201910107033232_201910107032428_C001 Microsofter Range and Backscatter Quality Flags and the OCCG Altimeter Range and Backscatter Quality Flags and the OCCG Altimeter Range and Backscatter Quality Flags and the OCCG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_201910107033830_201910107033830_C001 Microsofter Range and Backscatter Quality Flags and the OCCG Altimeter Range and Backscatter Quality Flags and the OCCG Altimeter Range and Backscatter Quality Flags and the OCCG Altimeter Range. SNA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_201910107033830_201910107034223_C001 Microsofter Range and Backscatter Quality Flags and the OCCG Altimeter Range. SNA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_201910107042651_2001 Occan Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_201910107042651_2001 OCCG Altimeter Range and Bac	CS_OFFL_SIR_IOPR_2_20191010T014432_20191010T014756_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_201910107024013_201910107024758_C001 and Backscatter Quality Flags Nave been and Backscatter Quality	CS_OFFL_SIR_IOPR_2_20191010T015803_20191010T020202_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_20191010T032311_20191010T032428_C001 and Backscatter Quality PLRM, CCCG Altimeter Range and Backscatter Quality PLRM, CCCG Altimeter Range and Backscatter Quality PLRM, CCCG CS_OFFL_SIR_IOPR_2_20191010T033632_20191010T033930_C001 Cocan Altimeter Range and Backscatter Quality PLRM, CCCG CS_OFFL_SIR_IOPR_2_20191010T033930_20191010T034223_C001 Cocan Altimeter Range and Backscatter Quality PLRM, CCCG CS_OFFL_SIR_IOPR_2_20191010T033930_20191010T034223_C001 Cocan Altimeter Range, SSHA, SWH CS_OFFL_SIR_IOPR_2_20191010T042456_C001 Cocan Altimeter Range and Backscatter Quality PLRM, CCCG Altimeter Range and Backscatter Quality PLRM, CCCG The OCCan Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20191010T041913_20191010T042456_C001 CCGG Altimeter Range and Backscatter Quality PLRM, CCCG CS_OFFL_SIR_IOPR_2_20191010T042510_20191010T042621_C001 OCCGA Altimeter Range Quality PLRM, CCCG CS_OFFL_SIR_IOPR_2_20191010T051437_20191010T052011_C001 CCGG Altimeter Range Quality PLRM, CCCG CS_OFFL_SIR_IOPR_2_20191010T053403_20191010T053616_C001 CCGG Altimeter Range ADBackscatter Quality PLRM, CCCG CS_OFFL_SIR_IOPR_2_20191010T055827_20191010T053616_C001 CCGG Altimeter Range ADBackscatter Quality PLRM, CCCG CS_OFFL_SIR_IOPR_2_20191010T055827_20191010T066511_C001 Cocan Altimeter Range ADBackscatter Quality PLRM, CCCG	CS_OFFL_SIR_IOPR_2_20191010T024013_20191010T024758_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_20191010T033632_20191010T033930_C001 and Backscatter Quality PLRM_COCG Inter Observation of the Cocg Altimeter Range and Backscatter Quality Plags and the OCCG Altimeter Range and Backscatter Qual	CS_OFFL_SIR_IOPR_2_20191010T032311_20191010T032428_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_20191010T033930_20191010T034223_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20191010T041913_20191010T042456_C001 Ceean Altimeter Range and Backscatter Quality FLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20191010T042510_20191010T042621_C001 CCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20191010T051437_20191010T052011_C001 CCOG Altimeter Range, SSHA, SWH oCOG Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20191010T053403_20191010T053616_C001 OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20191010T055827_20191010T060511_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20191010T064115_20191010T064245_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20191010T0664115_20191010T064245_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags	CS_OFFL_SIR_IOPR_2_20191010T033632_20191010T033930_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_20191010T041913_20191010T042456_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20191010T042510_20191010T042621_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Backscatter Quality PLRM, OCOG Altimeter Range and Backs	CS_OFFL_SIR_IOPR_2_20191010T033930_20191010T034223_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_201910101042510_201910101042621_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_IOPR_2_201910101051437_201910101052011_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality CS_OFFL_SIR_IOPR_2_201910101053403_201910101053616_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_201910101055827_201910101060511_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCCG Altimeter Range and Backscatter Quality PLRM, OCCG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. </td <td>CS_OFFL_SIR_IOPR_2_20191010T041913_20191010T042456_C001</td> <td>and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality</td> <td>and the OCOG Altimeter Range and Backscatter Quality Flags have been</td>	CS_OFFL_SIR_IOPR_2_20191010T041913_20191010T042456_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_20191010T051437_20191010T052011_C001 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 et for one or more records. CS_OFFL_SIR_IOPR_2_20191010T053403_20191010T053616_C001 OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20191010T055827_20191010T060511_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records. CS_OFFL_SIR_IOPR_2_20191010T0654115_20191010T064245_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been et for one or more records.	CS_OFFL_SIR_IOPR_2_20191010T042510_20191010T042621_C001	0 1	
CS_OFFL_SIR_IOPR_2_2019101010538403_201910101053816_C001 OCOG Backscatter Quality more records. CS_OFFL_SIR_IOPR_2_201910101055827_201910101060511_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality FLRM, OCOG Altimeter Range and Backscatter Quality FLRM The Ocean Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPR_2_20191010T051437_20191010T052011_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_IOPR_2_20191010T055827_20191010T060511_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_IOPR_2_20191010T053403_20191010T053616_C001		
CS_OFFL_SIR_IOPR_2_20191010T064115_20191010T064245_C001 and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality Flags have been and Backscatter Qua	CS_OFFL_SIR_IOPR_2_20191010T055827_20191010T060511_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_IOPR_2_20191010T064115_20191010T064245_C001	and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been

CS_OFFL_SIR_IOPR_2_20191010T073653_20191010T074215_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T081935_20191010T082215_C001	PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T083414_20191010T083611_C001	PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T091515_20191010T092519_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T101303_20191010T101533_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T105228_20191010T110002_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T111053_20191010T111119_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T113825_20191010T114125_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T115152_20191010T115619_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T124959_20191010T125321_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T130529_20191010T130542_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T131646_20191010T132052_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T133032_20191010T133435_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T141004_20191010T141719_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T141719_20191010T141927_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T145618_20191010T150113_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T151149_20191010T151402_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T155009_20191010T155053_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T155148_20191010T155613_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T155613_20191010T155726_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T163445_20191010T164107_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T172948_20191010T173442_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T173442_20191010T173618_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T181254_20191010T181408_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T183126_20191010T183253_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T184630_20191010T185401_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T190307_20191010T190310_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_IOPR_2_20191010T190931_20	191010T191541_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T201038_20	191010T201221_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T204645_20	191010T204922_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T205103_20	191010T205518_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T213536_20	191010T213801_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_IOPR_2_20191010T222913_20	191010T223600_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 rai	ised in the Level 2 products, wh	ich are summarised below.	
> 1Hz and 1Hz Ocean SSHA Quality Flags: Th	ese flags are currently set for proc	ducts over sea ice, which is to be expected.	
Number of products with errors:	170		
5.8 L2 Ocean Retracking Quality	Check		
L2 Retracking Flags (20Hz)			
L2 Retracking riags (2002) CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.			
Ocean Retracking Quality Flag: This flag is currently set for products over land and sea ice, but this is to be expected. The number of products with this error flag set is given below.			
Number of products with errors:	58	, , , , , , , , , , , , , , , , , , , ,	
L2 Retracking Flags (20Hz, PLRM)			
CryoSat L2 data includes an ocean retracking qu	ality flag for each 20-Hz PLRM m	easurement record. The bit value of this flag	g indicates any problems when set.
• •			

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

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Number of products with errors:

6. IOP L2 Pole-to-Pole Data Quality Check

6.1 P2P Product Format Check

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

Number of products with errors:

6.2 P2P Product Header Analysis

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

Number of products with errors:

6.3 P2P 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. 0

Number of products with errors:

6.4 P2P Auxiliary Correction Error Check

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

0

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. The affected products are not reported in the table below.

> Sea State Bias & Sea State Bias PLRM: The error value is currently set for products over sea ice, but this is to be expected.

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

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

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

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220191009T232319_20191010T001258_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_220191010T001258_20191010T010232_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_220191010T010232_20191010T015212_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20191010T015212_20191010T024146_C001	Topography (1), Total Geocentric Ocean	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOP_220191010T024146_20191010T033125_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20191010T033125_20191010T042059_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)

CS_OFFL_SIR_IOP_220191010T042059_20191010T051039_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_220191010T051039_20191010T060013_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_220191010T060013_20191010T064952_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_220191010T064952_20191010T073926_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_220191010T073926_20191010T082906_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_220191010T082906_20191010T091840_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_220191010T091840_20191010T100819_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20191010T100819_20191010T105754_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_220191010T105754_20191010T114733_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_220191010T114733_20191010T123707_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_220191010T123707_20191010T132647_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_220191010T132647_20191010T141621_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOP_220191010T141621_20191010T150600_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_2_20191010T150600_20191010T155534_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_220191010T155534_20191010T164514_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOP_2_20191010T164514_20191010T173448_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_220191010T173448_20191010T182427_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOP_2_20191010T182427_20191010T191401_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_220191010T191401_20191010T200341_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), and tidal corrections for one or more records
CS_OFFL_SIR_IOP_2_20191010T200341_20191010T205315_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_220191010T205315_20191010T214255_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records
CS_OFFL_SIR_IOP_220191010T214255_20191010T223229_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)
CS_OFFL_SIR_IOP_220191010T223229_20191010T232208_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1)

6.5 P2P Measurement Confidence Data Check

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

Number of products with errors: 4

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220191010T051039_20191010T060013_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOP_220191010T064952_20191010T073926_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOP_220191010T200341_20191010T205315_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_IOP_2_20191010T232208_20191011T001142_C002	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

6.6 P2P Measurement Quality Flag Check

P2P Quality Flags (20Hz)

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

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

P2P Quality Flags (20Hz PLRM)	
Since the P2P Quality Flags are copied direct	tly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected.
Number of products with errors:	30
P2P Quality Flags (1 Hz & 1Hz PLR	М)
Since the P2P Quality Flags are copied direct	tly from the L2 Quality Flags, please see Section 5.6 for the full list of products affected.
Number of products with errors:	30
6.8 P2P Ocean Retracking Qual	ty Check
P2P Retracking Flags (20Hz)	
Cryosat P2P data includes an ocean retracking	quality flag (field 19) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.
Ocean Retracking Quality Flag (PLRM): This	flag is currently set for products IOPR and IOPN products over sea ice, but this is to be expected.
Number of products with errors:	29
P2P Retracking Flags PLRM	
CryoSat L2 data includes an ocean retracking of	uality flag for each 20-Hz PLRM measurement record. The bit value of this flag indicates any problems when set.
Ocean Retracking Quality Flag (PLRM): This	flag is currently set for products IOPR and IOPN products over sea ice, but this is to be expected.
Number of products with errors:	30