



# 1. Overview

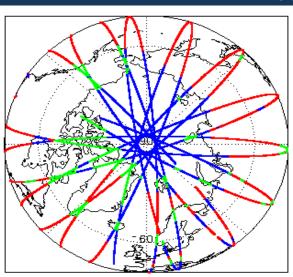
Report Production:	13-Dec-2017	
Processor Used:	CryoSat Ocean Processor	
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data	

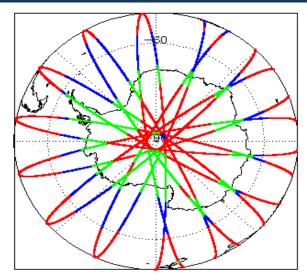
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary Correction Error Check	Nominal	Nominal
Measurement Confidence Data Check	See Section 4.5, 4.6 and 5.5	See Section 6.5
Range, SWH & Backscatter Measurement Check	See Section 5.6, 5.7	See Section 6.6, 6.7
Ocean Retracking Quality Check	See Section 5.8	See Section 6.8

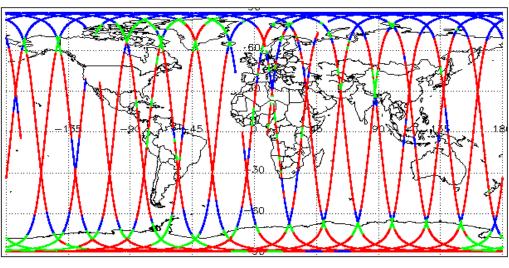
Mission / Instrument News		
06-Nov-2017	None	

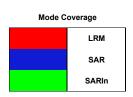
07-Nov-2017 None 08-Nov-2017 Nothing planned

# 2. Global Coverage









# 3. Instrument Configuration

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

SIRAL instrument(s) in use: SIRAL - A

# 4. GOP Level 1B Data Quality Check

### 4.1 L1B Product Format Check

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

Number of products with errors:

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### 4.2 L1B Product Header Analysis

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

# 4.3 L1B Auxilary Data File Usage Check

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

Number of products with errors:

### 4.4 L1B Auxiliary Correction Error Check

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

Number of products with errors:

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# 4.5 L1B Measurement Confidence Data Check

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

Number of products with errors:

55

Decidurat	Took Foiled	Becariotion
Product  CS_OFFL_SIR_GOPM1B_20171107T071135_20171107T072120_C001	Test Failed Power scaling error	There is an error in the scaling of the L1B waveform for one or more
CS OFFL SIR GOPM1B 20171107T222144 20171107T222821 C001	Power scaling error	records There is an error in the scaling of the L1B waveform for one or more
CS_OFFL_SIR_GOPR1B_20171107T002912_20171107T002929_C001	Attitude correction missing	records The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T005411_20171107T005558_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T011936_20171107T012311_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T020558_20171107T020726_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T033851_20171107T033856_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T042538_20171107T042610_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T051323_20171107T051410_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T052218_20171107T052520_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPRIB_201711071032210_201711071032320_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T062027_20171107T062132_C001	Attitude correction missing	The attitude has not been corrected
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CS_OFFL_SIR_GOPR1B_20171107T064332_20171107T064512_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T071017_20171107T071135_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T075849_20171107T080115_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T083939_20171107T084458_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T090814_20171107T091351_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T092302_20171107T092715_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T101844_20171107T102641_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T111651_20171107T112214_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T112358_20171107T112613_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T115002_20171107T115145_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T115709_20171107T120614_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T120738_20171107T120838_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T121823_20171107T122108_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T124229_20171107T124536_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T125558_20171107T130002_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T130939_20171107T131126_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T132704_20171107T133058_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T133058_20171107T133229_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T134454_20171107T134556_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T134559_20171107T134607_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T142931_20171107T142938_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T152307_20171107T152421_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T154427_20171107T154542_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T160057_20171107T160129_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T160829_20171107T160835_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T161234_20171107T161745_C001	Attitude correction missing	The attitude has not been corrected
CS OFFL SIR GOPR1B 20171107T165311 20171107T165410 C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T172404_20171107T172542_C001	Attitude correction missing	The attitude has not been corrected
CS OFFL SIR GOPR1B 20171107T173921 20171107T174037 C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T174726_20171107T174733_C001	Attitude correction missing	The attitude has not been corrected
CS OFFL SIR GOPR1B 20171107T175411 20171107T175506 C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T185607_20171107T185702_C001	Attitude correction missing	The attitude has not been corrected
CS OFFL SIR GOPR1B 20171107T191801 20171107T192036 C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T193215_20171107T193358_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPRIB_20171107T193213_20171107T193330_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPRIB_201711071201300_201711071202300_C001	Attitude correction missing	The attitude has not been corrected
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CS_OFFL_SIR_GOPR1B_20171107T205727_20171107T205918_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T211103_20171107T211405_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T224946_20171107T225402_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T232618_20171107T232627_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T232833_20171107T232903_C001	Attitude correction missing	The attitude has not been corrected
CS_OFFL_SIR_GOPR1B_20171107T232914_20171107T233618_C001	Attitude correction missing	The attitude has not been corrected

#### 4.6 L1B Waveform Group Data Check

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

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

Number of products with errors:

19

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20171107T101601_20171107T101714_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20171107T134607_20171107T142109_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20171107T163414_20171107T165009_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20171107T193358_20171107T200155_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20171107T052521_20171107T052733_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20171107T093705_20171107T093832_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20171107T133452_20171107T133813_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20171107T151101_20171107T151236_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20171107T151614_20171107T151710_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20171107T165009_20171107T165310_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20171107T020738_20171107T021139_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20171107T052734_20171107T052902_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20171107T100742_20171107T100946_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20171107T101844_20171107T102641_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20171107T133813_20171107T134454_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20171107T161234_20171107T161745_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20171107T224946_20171107T225402_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20171107T234134_20171107T234514_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20171107T234737_20171107T235100_C001	Loss of Echo	The tracking echo is missing for one or more records

### 5. GOP Level 2 Data Quality Check

### 5.1 L2 Product Format Check

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

Number of products with errors:

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### 5.2 L2 Product Header Analysis

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

Number of products with errors:

#### 0

### 5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

# 5.4 L2 Auxiliary Correction Error Check

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

2

Number of products with errors:

#### 5.5 L2 Measurement Confidence Data Check

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

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20171107T071135_20171107T072120_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records
CS_OFFL_SIR_GOPM_2_20171107T222144_20171107T222821_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

### 5.6 L2 Range Measurement Check

CryoSat L2 data includes an Ocean and Ice Range Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

Currently, there are two common status flags 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.

Ocean Range Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ice Range Averaging Status Flag: This flag is currently set for products over land, but this is to be expected.

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20171106T234403_20171107T000517_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T000803_20171107T001824_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T002929_20171107T003325_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T004923_20171107T005411_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T005559_20171107T010606_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

00.0000.000.0000.0000000000000000000000	Les Barres Arrassina Olatra	The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171107T011152_20171107T011607_C001	Ice Range Averaging Status	records.  The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171107T012312_20171107T012817_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171107T012826_20171107T015502_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171107T021403_20171107T024346_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20171107T025822_20171107T025939_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T030245_20171107T031819_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T031823_20171107T031935_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T032416_20171107T033123_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T034717_20171107T035038_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T035248_20171107T040819_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T041438_20171107T042537_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T043207_20171107T043426_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T043501_20171107T043922_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T044137_20171107T045603_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T045743_20171107T051259_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T053125_20171107T053316_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T053438_20171107T054147_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T054310_20171107T054627_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T055123_20171107T060620_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171107T060956_20171107T061829_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171107T062133_20171107T064332_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS OFFL SIR GOPM 2 20171107T072122 20171107T074508 C001	Ocean Range Averaging Status	records.  The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171107T075154_20171107T075631_C001	Ice Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171107T080115_20171107T082647_C001		records.  The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171107T085820_20171107T090814_C001	Ocean Range Averaging Status	records.  The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171107T091351_20171107T092302_C001	Ocean Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171107T093111_20171107T093704_C001	Ice Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171107T094024_20171107T100316_C001	Ocean Range Averaging Status	records.  The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171107T101601_20171107T101714_C001	Ocean Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171107T102944_20171107T110258_C001	Ocean Range Averaging Status	records. The Ice Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171107T111018_20171107T111536_C001	Ice Range Averaging Status	records. The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171107T112214_20171107T112358_C001	Ocean Range Averaging Status	records.  The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171107T115313_20171107T115709_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20171107T120839_20171107T121823_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T122109_20171107T124229_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T125027_20171107T125433_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T130002_20171107T130939_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T131127_20171107T131456_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T134607_20171107T142109_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T144018_20171107T151100_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T151236_20171107T151511_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T152733_20171107T154403_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T154542_20171107T160056_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T160312_20171107T160815_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T160854_20171107T161019_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T161746_20171107T162754_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T163414_20171107T165009_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T171154_20171107T172029_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T172121_20171107T172403_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T172543_20171107T173920_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T174226_20171107T174726_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
	1	<sub> </sub> -555,45.

		The Ocean Range Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171107T175507_20171107T181750_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20171107T181913_20171107T182833_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T185702_20171107T191800_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T192309_20171107T192642_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T192705_20171107T193022_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T193358_20171107T200155_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T203245_20171107T205727_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T210051_20171107T210556_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T210603_20171107T210930_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T211405_20171107T212402_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T212940_20171107T214658_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T220033_20171107T220155_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T221329_20171107T221949_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T223241_20171107T223612_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T224050_20171107T224628_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T225403_20171107T232618_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20171107T025045_20171107T025319_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20171107T054759_20171107T055122_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20171107T083640_20171107T083739_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20171107T110706_20171107T111018_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20171107T214915_20171107T215035_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20171107T000517_20171107T000803_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20171107T044100_20171107T044136_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20171107T062027_20171107T062132_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20171107T133813_20171107T134454_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20171107T160829_20171107T160835_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20171107T161234_20171107T161745_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20171107T233618_20171107T233744_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

### 5.7 L2 SWH and Backscatter Measurement Check

CryoSat L2 data includes a SWH Averaging Status flag and an Ocean and Ice Backscatter Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

Currently, there are three common status flags 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.

SWH Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ocean Backscatter Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ice Backscatter Averaging Status Flag: This flag is currently set for products over land, but this is to be expected.

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20171106T234403_20171107T000517_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T000803_20171107T001824_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T002929_20171107T003325_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T004923_20171107T005411_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T005559_20171107T010606_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T011152_20171107T011607_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T012312_20171107T012817_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T012826_20171107T015502_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T021403_20171107T024346_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T025822_20171107T025939_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T030245_20171107T031819_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T031823_20171107T031935_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T032416_20171107T033123_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T034717_20171107T035038_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T035248_20171107T040819_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

CS OFFI SID CODM 2 20474407T044429 20474407T042F27 C004	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20171107T041438_20171107T042537_C001	Backscatter Averaging Status	more records.  The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171107T043207_20171107T043426_C001	Ice Backscatter Averaging Status SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20171107T044137_20171107T045603_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_GOPM_2_20171107T045743_20171107T051259_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T053125_20171107T053316_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T053438_20171107T054147_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T054310_20171107T054627_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T055123_20171107T060620_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T060956_20171107T061829_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T062133_20171107T064332_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T072122_20171107T074508_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T075154_20171107T075631_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T080115_20171107T082647_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS OFFL SIR GOPM 2 20171107T085820 20171107T090814 C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20171107T091351_20171107T092302_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20171107T093111_20171107T093704_C001	Backscatter Averaging Status  Ice Backscatter Averaging Status	more records.  The Ice Backscatter Averaging Status Flag has been set for one or more
CS OFFL SIR GOPM 2 20171107T094024 20171107T100316 C001	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status SWH Averaging Status, Ocean	more records.  The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20171107T101601_20171107T101714_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20171107T102944_20171107T110258_C001	Backscatter Averaging Status	more records.  The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171107T111018_20171107T111536_C001	Ice Backscatter Averaging Status SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20171107T112214_20171107T112358_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_GOPM_2_20171107T115313_20171107T115709_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T120839_20171107T121823_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T122109_20171107T124229_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T125027_20171107T125433_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T130002_20171107T130939_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T131127_20171107T131456_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T134607_20171107T142109_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T142407_20171107T142918_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T144018_20171107T151100_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T151236_20171107T151511_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T151511_20171107T151614_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more
CS OFFL SIR GOPM 2 20171107T152733 20171107T154403 C001	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS OFFL SIR GOPM 2 20171107T154542 20171107T160056 C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records.  The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20171107T160312_20171107T160815_C001	Backscatter Averaging Status  Ice Backscatter Averaging Status	more records.  The Ice Backscatter Averaging Status Flag has been set for one or more
	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20171107T161746_20171107T162754_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records.  The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20171107T163414_20171107T165009_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records.  The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20171107T171154_20171107T172029_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20171107T172543_20171107T173920_C001	Backscatter Averaging Status	more records.  The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171107T174226_20171107T174726_C001	Ice Backscatter Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20171107T174751_20171107T174800_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T175507_20171107T181750_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T181913_20171107T182833_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T185702_20171107T191800_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T192309_20171107T192642_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T192705_20171107T193022_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T193358_20171107T200155_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T203245_20171107T205727_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T210051_20171107T210556_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20171107T211405_20171107T212402_C001	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20171107T212940_20171107T214658_C001	Backscatter Averaging Status SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
	Backscatter Averaging Status	more records.

CS_OFFL_SIR_GOPM_2_20171107T220033_20171107T220155_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T221329_20171107T221949_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T223241_20171107T223612_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T224050_20171107T224628_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20171107T225403_20171107T232618_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20171107T025045_20171107T025319_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20171107T054759_20171107T055122_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20171107T083640_20171107T083739_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPN_2_20171107T110706_20171107T111018_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPN_2_20171107T214915_20171107T215035_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20171107T000517_20171107T000803_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20171107T044100_20171107T044136_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20171107T062027_20171107T062132_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20171107T133813_20171107T134454_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20171107T160829_20171107T160835_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPR_2_20171107T161234_20171107T161745_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOPR_2_20171107T233618_20171107T233744_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

#### 5.8 L2 Ocean Retracking Quality Check

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:

# 6. GOP 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.

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

Number of products with errors:

### 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:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20171107T070253_20171107T075228_C001	Power scaling error	There is an error in the scaling of the L2 waveform for one or more records

### 6.6 P2P Range Measurement Check

CryoSat P2P data includes an Ocean and Ice Range Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

Currently, there are two common status flags raised in the P2P 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.

Ocean Range Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ice Range Averaging Status Flag: This flag is currently set for products over land, but this is to be expected.

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220171106T233620_20171107T002559_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171107T002559_20171107T011534_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220171107T011534_20171107T020513_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220171107T020513_20171107T025447_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220171107T025447_20171107T034426_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T034426_20171107T043401_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.

CS_OFFL_SIR_GOP_220171107T043401_20171107T052340_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T052340_20171107T061314_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T061314_20171107T070253_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T070253_20171107T075228_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171107T075228_20171107T084207_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220171107T084207_20171107T093141_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T093141_20171107T102121_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220171107T102121_20171107T111055_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T111055_20171107T120034_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220171107T120034_20171107T125009_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220171107T125009_20171107T133948_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T133948_20171107T142922_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T142922_20171107T151901_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T151901_20171107T160835_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T160835_20171107T165815_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220171107T165815_20171107T174749_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T174749_20171107T183728_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T183728_20171107T192703_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220171107T192703_20171107T201642_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T201642_20171107T210616_C001	Ocean Range Averaging Status, Ice Range Averaging Status	The Ocean and Ice Range Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220171107T224530_20171107T233509_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

# 6.7 P2P SWH and Backscatter Measurement Check

CryoSat P2P data includes a SWH Averaging Status flag and an Ocean and Ice Backscatter Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set

Currently, there are three common status flags raised in the P2P 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.

SWH Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ocean Backscatter Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ice Backscatter Averaging Status Flag: This flag is currently set for products over land, but this is to be expected.

Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20171106T233620_20171107T002559_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T002559_20171107T011534_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T011534_20171107T020513_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220171107T020513_20171107T025447_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220171107T025447_20171107T034426_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T034426_20171107T043401_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220171107T043401_20171107T052340_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T052340_20171107T061314_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T061314_20171107T070253_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T070253_20171107T075228_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220171107T075228_20171107T084207_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T084207_20171107T093141_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220171107T093141_20171107T102121_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_220171107T102121_20171107T111055_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T111055_20171107T120034_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

CS_OFFL_SIR_GOP_2_20171107T120034_20171107T125009_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T125009_20171107T133948_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T133948_20171107T142922_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T142922_20171107T151901_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T151901_20171107T160835_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T160835_20171107T165815_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T165815_20171107T174749_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T174749_20171107T183728_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T183728_20171107T192703_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T192703_20171107T201642_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T201642_20171107T210616_C001	SWH Averaging Status, Ocean Backscatter Averaging Status, Ice Backscatter Averaging Status	The SWH, Ocean and Ice Averaging Status Flags have been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T224530_20171107T233509_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.

# 6.8 P2P Ocean Retracking Quality Check

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: 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.

CS_OFFL_SIR_GOP_2_20171107T025362_2017107T01534_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20171107T02535_2017107T01534_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20171107T02531_20171107T02547_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20171107T02544_20171107T03440_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20171107T03440_20171107T032340_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20171107T03440_20171107T032340_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20171107T032340_20171107T092340_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20171107T092340_20171107T09235_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20171107T092341_20171107T09235_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20171107T092340_20171107T092340_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20171107T092340_20171107T092407_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20171107T103141_20171107101105_C001 Coean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records. CS_OFFL_SIR_GOP_2_20171107T103344_2017107T1107101107_C001 Coean Retracking Quality Flag The Ocean Retrac	Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20171107T01534_20171107T025447_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T025447_20171107T034446_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T034426_20171107T034340_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T034340_20171107T052340_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T032340_20171107T061314_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T062340_20171107T076253_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T072528_20171107T076253_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T07624207_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T084207_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T109141_20171107T102121_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T109341_20171107T10552009_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T1093408_20171107T1091_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T106385_20171107T11091_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records	CS_OFFL_SIR_GOP_2_20171106T233620_20171107T002559_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T03547_20171107T03542E_CO1  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T03442E_0011  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T043401_20171107T052340_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T052340_20171107T052340_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T075232 _20171107T075235_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T07523 _20171107T075228_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T07523 _20171107T084207_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T084207_20171107T093141_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T1093141_20171107T093141_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T102121_20171107T1125009_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T133948_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T133948_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T16835_20171107T16835_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP	CS_OFFL_SIR_GOP_2_20171107T002559_20171107T011534_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T05442_20171107T034426_C001  Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T054301_20171107T052340_C001  Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T054301_20171107T052340_C001  Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T052340_20171107T052340_C001  Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T070253_20171107T075228_C001  Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T070253_20171107T075228_C001  Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T070253_20171107T093141_C001  Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T0703141_2017107102121_C001  Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T107102121_20171107T1107102121_20171107T1107102121_20171107T1107107107107107107107107107107107107107	CS_OFFL_SIR_GOP_220171107T011534_20171107T020513_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T043401_20171107T052340_2001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T052340_20171107T052340_20171107T052340_20171107T052340_20171107T052340_20171107T052340_20171107T052340_20171107T052340_20171107T070253_2001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T070253_20171107T070253_2001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T070253_20171107T070253_2001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T070253_20171107T0705228_2001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T0705228_20171107T0705228_20011  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T0705228_20171107T1093141_20171107T1093141_20171107T1093141_20171107T1093141_20171107T11093141_20171107T11105_0011  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T120034_20171107T1130948_20011  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T1130942_20171107T1130948_20011  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T1151901_2017110	CS_OFFL_SIR_GOP_2_20171107T020513_20171107T025447_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T052340_2017107T052340_C001  Ocean Retracking Quality Flag	CS_OFFL_SIR_GOP_220171107T025447_20171107T034426_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T062340_20171107T06235_C001  Cs_OFFL_SIR_GOP_2_20171107T061314_20171107T07253_C001  Cs_OFFL_SIR_GOP_2_20171107T070253_20171107T072528_C001  Cs_OFFL_SIR_GOP_2_20171107T070253_20171107T072528_C001  Cs_OFFL_SIR_GOP_2_20171107T070253_20171107T070253_C001  Cs_OFFL_SIR_GOP_2_20171107T0705228_20171107T0705228_C001  Cs_OFFL_SIR_GOP_2_20171107T0705228_20171107T084207_C001  Cs_OFFL_SIR_GOP_2_20171107T0705228_20171107T084207_C001  Cs_OFFL_SIR_GOP_2_20171107T084207_20171107T093141_C001  Cs_OFFL_SIR_GOP_2_20171107T084207_20171107T093141_C001  Cs_OFFL_SIR_GOP_2_20171107T093141_20171107T102121_C001  Cs_OFFL_SIR_GOP_2_20171107T093141_20171107T102121_C001  Cs_OFFL_SIR_GOP_2_20171107T093141_20171107T1055_C001  Cs_OFFL_SIR_GOP_2_20171107T102121_20171107T11055_C001  Cs_OFFL_SIR_GOP_2_20171107T120034_20171107T1125009_C001  Cs_OFFL_SIR_GOP_2_20171107T125009_20171107T133948_C001  Cs_OFFL_SIR_GOP_2_20171107T133948_20171107T133948_C001  Cs_OFFL_SIR_GOP_2_20171107T133948_20171107T142922_C001  Cs_OFFL_SIR_GOP_2_20171107T142922_20171107T151901_C001  Cs_OFFL_SIR_GOP_2_20171107T16935_20171107T16935_C001  Cs_OFFL_SIR_GOP_2_20171107T16935_20171107T16935_C001  Cs_OFFL_SIR_GOP_2_20171107T16935_20171107T16935_C001  Cs_OFFL_SIR_GOP_2_20171107T16935_20171107T174749_C001  Cs_OFFL_SIR_GOP_2_20171107T16935_20171107T174749_C001  Cs_OFFL_SIR_GOP_2_20171107T16935_20171107T174749_C001  Cs_OFFL_SIR_GOP_2_20171107T107320017107T10710642_C001  Cs_OFFL_SIR_GOP_2_20171107T1073201641_C0011  Cs_OFFL_SIR_GOP_2_20171107T1071071071071071071071071071071071071071	CS_OFFL_SIR_GOP_2_20171107T034426_20171107T043401_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T061314_20171107T070253_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T070523_20171107T075228_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T075228_20171107T1071212_1_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T12034_20171107T12509_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T125009_20171107T133948_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T133948_20171107T142922_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T15901_20171107T15901_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T15901_20171107T168815_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T168815_20171107T174749_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T19703_20171107T107182720  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T19703_20	CS_OFFL_SIR_GOP_2_20171107T043401_20171107T052340_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T070253_20171107T075228_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T084207_20171107T093141_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T093141_20171107T093141_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T102121_20171107T102121_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T102121_20171107T11055_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T12509_20171107T12509_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T133948_20171107T142922_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T142922_20171107T142922_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T151901_20171107T160835_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T160835_20171107T166815_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T165815_20171107T14749_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T174749_20171107T16816_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T17201642_20171107T201642_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been	CS_OFFL_SIR_GOP_2_20171107T052340_20171107T061314_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T05228_20171107T084207_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T093141_20171107T093141_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T102121_20171107T101105_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T12034_20171107T1125009_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T125009_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T133948_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T133948_20171107T142922_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T13948_20171107T151901_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T151901_20171107T168835_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T168815_20171107T174749_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T174749_20171107T183728_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T174749_20171107T201642_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T192703_20171107T201642_C001 Ocean Retracking Quality Flag The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107	CS_OFFL_SIR_GOP_2_20171107T061314_20171107T070253_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T084207_20171107T093141_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T102121_20171107T111055_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T120034_20171107T125009_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T125009_20171107T133948_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T133948_20171107T142922_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T133948_20171107T151901_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T151901_20171107T15901_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T151901_20171107T168815_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T168815_20171107T165815_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T168815_20171107T174749_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T174749_20171107T201642_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T17270642_20171107T210616_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T107424530_20171107T210616_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag h	CS_OFFL_SIR_GOP_2_20171107T070253_20171107T075228_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T093141_20171107T102121_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T102121_20171107T11055_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T120034_20171107T125009_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T125009_20171107T133948_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T133948_20171107T142922_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T142922_20171107T151901_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T151901_20171107T160835_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T160835_20171107T165815_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T165815_20171107T174749_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T17479_20171107T183728_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T192703_20171107T201642_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T201642_20171107T201642_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T201642_20171107T201642_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has bee	CS_OFFL_SIR_GOP_2_20171107T075228_20171107T084207_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T102121_20171107T11055_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T120034_20171107T125009_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T125009_20171107T133948_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T133948_20171107T142922_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T142922_20171107T151901_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T151901_20171107T160835_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T160835_20171107T165815_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T165815_20171107T174749_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T174749_20171107T183728_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T174749_20171107T201642_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T201642_20171107T210616_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T204530_20171107T203590_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T204530_20171107T203559_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has be	CS_OFFL_SIR_GOP_2_20171107T084207_20171107T093141_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T120034_20171107T125009_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T133948_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T133948_20171107T142922_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T142922_20171107T151901_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T151901_20171107T160835_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T160835_20171107T165815_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T160835_20171107T165815_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T165815_20171107T174749_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T174749_20171107T183728_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T192703_20171107T201642_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T201642_20171107T201642_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T201642_20171107T201642_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T201642_20171107T201642_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one	CS_OFFL_SIR_GOP_2_20171107T093141_20171107T102121_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T125009_20171107T133948_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T133948_20171107T151901_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T151901_20171107T160835_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T160835_20171107T165815_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T160835_20171107T174749_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T165815_20171107T174749_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T174749_20171107T183728_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T192703_20171107T201642_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T201642_20171107T201616_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T201642_20171107T201616_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T201642_20171107T201616_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_GOP_2_20171107T102121_20171107T111055_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T133948_20171107T142922_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T142922_20171107T151901_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T151901_20171107T160835_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T160835_20171107T165815_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T165815_20171107T174749_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T174749_20171107T183728_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T192703_20171107T201642_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T201642_20171107T201616_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T201642_20171107T201616_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T201642_20171107T233509_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_GOP_2_20171107T120034_20171107T125009_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
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CS_OFFL_SIR_GOP_2_20171107T151901_20171107T160835_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T160835_20171107T174749_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T165815_20171107T174749_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T174749_20171107T183728_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T192703_20171107T201642_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T201642_20171107T210616_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T201642_20171107T233509_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  The Ocean Retracking Quality Flag has been set for one or more records.  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_GOP_2_20171107T133948_20171107T142922_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T165815_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T165815_20171107T174749_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T174749_20171107T183728_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T192703_20171107T201642_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T201642_20171107T210616_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T201642_20171107T210616_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  The Ocean Retracking Quality Flag has been set for one or more records.  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_GOP_2_20171107T142922_20171107T151901_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T165815_20171107T174749_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T174749_20171107T183728_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T192703_20171107T201642_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T201642_20171107T210616_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T221642_20171107T233509_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_GOP_2_20171107T151901_20171107T160835_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T174749_20171107T183728_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T192703_20171107T201642_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T201642_20171107T210616_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T224530_20171107T233509_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_GOP_2_20171107T160835_20171107T165815_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T192703_20171107T201642_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T201642_20171107T210616_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T224530_20171107T233509_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_GOP_2_20171107T165815_20171107T174749_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T201642_20171107T210616_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.  CS_OFFL_SIR_GOP_2_20171107T224530_20171107T233509_C001  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_GOP_2_20171107T174749_20171107T183728_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T224530_20171107T233509_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_GOP_2_20171107T192703_20171107T201642_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
	CS_OFFL_SIR_GOP_220171107T201642_20171107T210616_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20171107T233509_20171108T002443_C001  Ocean Retracking Quality Flag  The Ocean Retracking Quality Flag has been set for one or more records.	CS_OFFL_SIR_GOP_220171107T224530_20171107T233509_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
	CS_OFFL_SIR_GOP_220171107T233509_20171108T002443_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.