



1. Overview

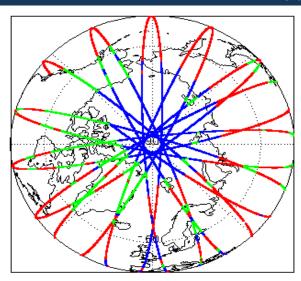
Report Production:	30-Oct-2018
Processor Used:	CryoSat Ocean Processor
Data Used:	Geophysical Ocean Products (GOP) L1B, L2 & P2P Science Data

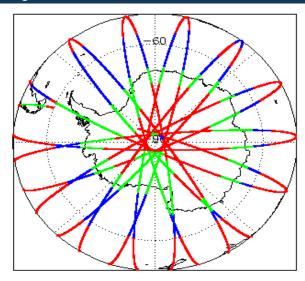
Check	L1 & L2	P2P
Server check: science-pds.cryosat.esa.int	Nominal	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal	Nominal
Product Software Check	Nominal	Nominal
Product Format Check	Nominal	Nominal
Product Header Analysis	Nominal	Nominal
Auxiliary Data File Usage Check	Nominal	Nominal
Auxiliary Correction Error Check	Nominal	Nominal
Measurement Confidence Data Check	See Section 4.5, 4.6	Nominal
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

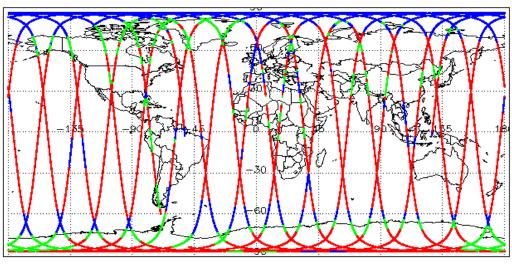
Mission / Instrument News		
28-Sep-2018	None	
29-Sep-2018	None	

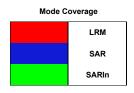
30-Sep-2018 Nothing planned

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:

0

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:

(

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.

Attitude Correction Missing: This flag is currently set in error for GOPR products due to a configuration issue. This is being investigated and will be updated in the next SW update.

Number of products with errors:

0

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 some products over land, but this is to be expected.

Number of products with errors:

21

Product	Test Failed	Description
CS_OFFL_SIR_GOPM1B_20180929T000134_20180929T001849_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20180929T014207_20180929T014513_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20180929T111829_20180929T114621_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPM1B_20180929T164830_20180929T165449_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180929T002135_20180929T002351_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180929T012431_20180929T012923_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180929T043653_20180929T043815_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180929T102255_20180929T102640_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180929T124124_20180929T124734_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180929T134108_20180929T134321_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180929T152028_20180929T152513_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180929T175241_20180929T175403_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180929T183345_20180929T183424_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180929T214935_20180929T215214_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPN1B_20180929T233158_20180929T233302_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180929T034047_20180929T034826_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180929T085619_20180929T085647_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180929T102137_20180929T102255_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180929T151612_20180929T152028_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180929T182814_20180929T182846_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_GOPR1B_20180929T215355_20180929T220141_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:

0

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:

5.3 L2 Auxiliary Data File Usage Check

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

Number of products with errors:

0

5.4 L2 Auxiliary Correction Error Check

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

Number of products with errors:

0

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:

0

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.

Number of products with errors:

85

Product	Test Failed	Description
CS_OFFL_SIR_GOPM_2_20180929T000134_20180929T001849_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T001918_20180929T002108_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T004101_20180929T005123_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T005303_20180929T010636_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T010949_20180929T011451_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T011528_20180929T011629_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T012323_20180929T012431_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T012923_20180929T013553_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T014207_20180929T014513_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T014756_20180929T015345_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T015507_20180929T015713_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T022442_20180929T024502_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T025017_20180929T025407_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T025429_20180929T025704_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T030138_20180929T032906_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T040106_20180929T042428_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T042800_20180929T043321_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T044043_20180929T045122_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T045700_20180929T051313_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T052640_20180929T052753_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T053709_20180929T055625_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T055952_20180929T060349_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T060801_20180929T061558_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T062142_20180929T065312_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T070521_20180929T070735_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T072829_20180929T074159_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T074733_20180929T075247_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T080009_20180929T082101_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T082346_20180929T083514_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T090350_20180929T090954_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T091142_20180929T092137_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T093917_20180929T101512_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T102743_20180929T105924_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T111300_20180929T111600_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T111829_20180929T114621_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T120255_20180929T120533_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T120758_20180929T122403_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T124026_20180929T124124_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T124734_20180929T125013_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T125032_20180929T125500_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T125800_20180929T131147_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T131327_20180929T131610_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T134641_20180929T134856_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T135852_20180929T142134_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T142525_20180929T143409_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.

See OPEL_SRIP_COMPL_2 20190000001100012 DOISED COMPL_SRIP_COMPL_2 2019000001100012 DOISED COMPL_SRIP_COMPL_2 2019000001100012 DOISED COMPL_SRIP_COMPL_2 201900001100012 DOISED COMPL_SRIP_COMPL_2 2019000011100012 DOISED COMPL_SRIP_COMPL_2 2019000011100101 DOISED COMPL_SRIP_COMPL_2 201900001110001 D	CS_OFFL_SIR_GOPM_2_20180929T143746_20180929T150120_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
Soft, Sift Copy 2 20100021710752 2010022711034 (2010002711054)	CS_OFFL_SIR_GOPM_2_20180929T151233_20180929T151511_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more
Lee Range Averaging Status CS_CFFL_SIR_COMPL_2_DIRECTOR 1607A_2_DIRECTOR 1642F_COD1 CS_CFFL_SIR_COMPL_2_DIRECTOR 1607A_2_COMEDIA 1642F_COD1 CS_CFFL_SIR_COMPL_2_DIRECTOR 1607A_2_COMEDIA 1642F_COD1 CS_CFFL_SIR_COMPL_2_DIRECTOR 1706A_2_COMEDIA 1642F_COMPL_2_COM	CS_OFFL_SIR_GOPM_2_20180929T153329_20180929T160101_C001	Ocean Range Averaging Status	
Count Range Averaging Status The Ocean	CS_OFFL_SIR_GOPM_2_20180929T160741_20180929T161202_C001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more
SC. PFFL_SR_COPM_2_0160001711094_2/0160001712942 CDD1 GS_CPFL_SR_COPM_2_0160000171094_2/0160001712942 CDD1 GS_CPFL_SR_COPM_2_0160000171094_2/01600001710015 CDD1 GS_CPFL_SR_COPM_2_01600001710014_2/01600001710015 CDD1 GS_CPFL_SR_COPM_2_01600001716014_2/01600001710015 CDD1 GS_CPFL_SR_COPM_2_01600001716014_2/01600001710015 CDD1 GS_CPFL_SR_COPM_2_01600001716014_2/01600001710015 CDD1 GS_CPFL_SR_COPM_2_01600001716014_2/01600001710015 CDD1 GS_CPFL_SR_COPM_2_01600001716014_2/01600001710015 CDD1 GS_CPFL_SR_COPM_2_01600001716014_2/01600001710015 CDD1 GS_CPFL_SR_COPM_2_01600001710015_2/01600001710015_2/01001 GS_CPFL_SR_COPM_2_01600001710015_2/01600001710015_2/01001 GS_CPFL_SR_COPM_2_01600001710015_2/01600001710015_2/01001 GS_CPFL_SR_COPM_2_01600001710015_2/01600001710015_2/01001 GS_CPFL_SR_COPM_2_01600001710015_2/01600001710015_2/01001 GS_CPFL_SR_COPM_2_01600001710015_2/01600001710015_2/01001 GS_CPFL_SR_COPM_2_01600001710015_2/01600001710015_2/01001 GS_CPFL_SR_COPM_2_01600001710015_2/01600001710015_2/01001 GS_CPFL_SR_COPM_2_01600001710015_2/01600001710015_2/01001 GS_CPFL_SR_COPM_2_01600001710015_2/0160001710015_2/01001 GS_CPFL_SR_COPM_2_01600001710015_2/0160001710015_2/01001 GS_CPFL_SR_COPM_2_01600001710015_2/0160001710015_2/01001 GS_CPFL_SR_COPM_2_01600001710015_2/0160001710015_2/01001 GS_CPFL_SR_COPM_2_01600001710015_2/0160001710015_2/01001 GS_CPFL_SR_COPM_2_01600001710015_2/0160001710015_2/01001 GS_CPFL_SR_COPM_2_01600001710015_2/0160001710015_2/01001 GS_CPFL_SR_COPM_2_01600001710015_2/01001 GS_CPFL_SR_COPM_2_01600001710015_2/01001 GS_CPFL_SR_COPM_2_01600001710015_2/01001 GS_CPFL_SR_COPM_2_01600001710015_2/01001 GS_CPFL_SR_COPM_2_01600001710015_2/01001 GS_CPFL_SR_COPM_2_01600001710015_2/01001 GS_CPFL_SR_COPM_2_01600001710015_2/01001 GS_CPFL_SR_COPM_2_01600001710015_2/01001 GS_CPFL_SR_COPM_2_01600001710015_2/01001 GS_CPFL_SR_COPM_2_016000017100000171000101 GS_CPFL_SR_COPM_2_0160000171000000171000101 GS_CPFL_SR_COPM_2_0160000171000000171000101 GS_CPFL_SR_COPM_2_01600001710000000000001	CS_OFFL_SIR_GOPM_2_20180929T161705_20180929T164307_C001	Ocean Range Averaging Status	
SCOPFL, SIG COMM 2, 20160029717464, 201600297175241 COD1 SCOPFL, SIR COMM 2, 20160029717464, 201600297180029, 20160029718002	CS_OFFL_SIR_GOPM_2_20180929T164830_20180929T165449_C001	Ocean Range Averaging Status	
CS_OFFL_SR_GOPM_2_201800297115002_0180029711001C_CO1 CS_OFFL_SR_GOPM_2_201800297115002_01800297115003_CO1 CS_OFFL_SR_GOPM_2_20180029715003_01800297115003_CO1 CS_OFFL_SR_GOPM_2_20180029715003_01800297115003_CO1 CS_OFFL_SR_GOPM_2_20180029715003_01800297115003_CO1 CS_OFFL_SR_GOPM_2_20180029715003_01800297115003_CO1 CS_OFFL_SR_GOPM_2_20180029715003_01800297115003_CO1 CS_OFFL_SR_GOPM_2_20180029715003_01800297115003_CO1 CS_OFFL_SR_GOPM_2_20180029715003_01800297115013_CO1 CS_OFFL_SR_GOPM_2_20180029715003_01800297100107_CO1 CS_OFFL_SR_GOPM_2_201800297170045_01800297100107_CO1 CS_OFFL_SR_GOPM_2_201800297170045_01800297100107_CO1 CS_OFFL_SR_GOPM_2_201800297170045_01800297100107_CO1 CS_OFFL_SR_GOPM_2_201800297170045_01800297100407_CO1 CS_OFFL_SR_GOPM_2_201800297170045_01800297100407_CO1 CS_OFFL_SR_GOPM_2_201800297170045_01800297100407_CO1 CS_OFFL_SR_GOPM_2_201800297170045_01800297100407_CO1 CS_OFFL_SR_GOPM_2_201800297170045_01800297100407_CO1 CS_OFFL_SR_GOPM_2_201800297170045_01800297100407_CO1 CS_OFFL_SR_GOPM_2_201800297170045_01800297100407_CO1 CS_OFFL_SR_GOPM_2_201800297170045_01800297100407_CO1 CS_OFFL_SR_GOPM_2_201800297170045_01800297100407_CO1 CS_OFFL_SR_GOPM_2_201800297170045_0180029710050_CO1 CS_OFFL_SR_GOPM_2_201800297170045_0180029710050_CO1 CS_OFFL_SR_GOPM_2_201800297170045_01800297170050_CO1 CS_OFFL_SR_GOPM_2_201800297170045_01800297170050_CO1 CS_OFFL_SR_GOPM_2_201800297170045_01800297170050_CO1 CS_OFFL_SR_GOPM_2_201800297170045_01800297170050_CO1 CS_OFFL_SR_GOPM_2_201800297170050_CO1 CS_OFFL_SR_GOPM_2_201800297170050_CO1800297170050_CO1 CS_OFFL_SR_GOPM_2_201800297170050_CO1800297170050_CO10 CS_OFFL_SR_GOPM_2_201800297170050_CO1800297170050_CO10 CS_OFFL_SR_GOPM_2_201800297170050_CO1800297170050_CO10 CS_OFFL_SR_GOPM_2_201800297170050_CO1800297170050_CO10 CS_OFFL_SR_GOPM_2_201800297170050_CO1800297170050_CO10 CS_OFFL_SR_GOPM_2_201800297170050_CO1800297170050_CO10 CS_OFFL_SR_GOPM_2_201800297170050_CO1800297170050_CO10 CS_OFFL_SR_GOPM_2_201800297170050_CO1800297170050_CO10 CS	CS_OFFL_SIR_GOPM_2_20180929T170854_20180929T172357_C001	Ocean Range Averaging Status	
CS_OFFL_SR_GOPM_2_20180027121032_20180027110312_C001 CS_OFFL_SR_GOPM_2_201800271730372_20180027110313_C001 CS_OFFL_SR_GOPM_2_201800271730372_20180027110313_C001 CS_OFFL_SR_GOPM_2_201800271730372_20180027110313_C001 CS_OFFL_SR_GOPM_2_201800271730372_20180027110313_C001 CS_OFFL_SR_GOPM_2_201800271730372_20180027110313_C001 CS_OFFL_SR_GOPM_2_201800271730372_20180027110313_C001 CS_OFFL_SR_GOPM_2_201800271730372_20180027110313_C001 CS_OFFL_SR_GOPM_2_201800271730372_2018002710313_C001 CS_OFFL_SR_GOPM_2_201800271730372_2018002710313_C001 CS_OFFL_SR_GOPM_2_201800271730372_2018002710313_C001 CS_OFFL_SR_GOPM_2_201800271730372_20180027170103_C001 CS_OFFL_SR_GOPM_2_20180027170052_0180027170105_C001 CS_OFFL_SR_GOPM_2_2018002717014052_0180027170105_C001 CS_OFFL_SR_GOPM_2_201800271701052_0180027170105_C001 CS_OFFL_SR_GOPM_2_2018002717014052_018	CS_OFFL_SIR_GOPM_2_20180929T172930_20180929T173848_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180029713034_201800297131304_201800297131304_20180029713036_20180029713034_20180029713036_20180029713034_20180029713036_20180029713034_20180029713036_	CS_OFFL_SIR_GOPM_2_20180929T174654_20180929T175241_C001	Ice Range Averaging Status	
CS_OFFL_SR_COPM_2_20180029718450_20180292719450_CO01 CS_OFFL_SR_COPM_2_20180029719450_2018002971943110_CO01 CS_OFFL_SR_COPM_2_20180029719508_20180029719518_CO01 CS_OFFL_SR_COPM_2_20180029710250_20180029719518_CO01 CS_OFFL_SR_COPM_2_20180029710250_201800297102518_CO01 CS_OFFL_SR_COPM_2_20180029710250_201800297102518_CO01 CS_OFFL_SR_COPM_2_20180029710250_201800297102518_CO01 CS_OFFL_SR_COPM_2_20180029710250_20180029710254_CO01 CS_OFFL_SR_COPM_2_20180029710250_20180029710254_CO01 CS_OFFL_SR_COPM_2_20180029710250_201800297102575_CO01 CS_OFFL_SR_COPM_2_20180029712026_20180029712050_CO01 CS_OFFL_SR_COPM_2_20180029710250_20180029712050_CO01 CS_OFFL_SR_COPM_2_20180029712006_20180029712050_CO01 CS_OFFL_SR_COPM_2_20180029712006_20180029712050_CO01 CS_OFFL_SR_COPM_2_20180029712006_20180029712050_CO01 CS_OFFL_SR_COPM_2_20180029712006_20180029712050_CO01 CS_OFFL_SR_COPM_2_20180029712006_20180029712050_CO01 CS_OFFL_SR_COPM_2_20180029712006_20180029712050_CO01 CS_OFFL_SR_COPM_2_20180029712006_20180029712050_CO01 CS_OFFL_SR_COPM_2_20180029712006_20180029712050_CO01 CS_OFFL_SR_COPM_2_20180029712006_20180029712050_CO01 CS_OFFL_SR_COPM_2_20180029712050_20180029712050_CO01 CS_OFFL_SR_COPM_2_20180029712050_201800297	CS_OFFL_SIR_GOPM_2_20180929T175603_20180929T180025_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_201809207193512_00180207193131_C001 CS_OFFL_SIR_GOPM_2_201809207193722_20180920710107_C001 CS_OFFL_SIR_GOPM_2_2018092071007_C001 CS_OFFL_SIR_GOPM_2_2018	CS_OFFL_SIR_GOPM_2_20180929T180334_20180929T181108_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180920T1052S_20180920T1007C_COULD Command Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20180920T200532_20180920T201007C_COULD Command Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20180920T201045_20180920T201040C_COULD Command Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20180920T202486_20180920T201040C_COULD Command Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20180920T202486_20180920T201060C_COULD Command Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20180920T202482_20180920T210590C_COULD Command Range Averaging Status Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20180920T21060C_COULD COULD COMMAND RANGE RANGE AVERAGING STATUS Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20180920T21060C_COULD COMMAND RANGE RANGE AVERAGING STATUS Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20180920T213514_20180920T21304C_COULD COMMAND RANGE RANGE AVERAGING STATUS Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20180920T213514_20180920T21304C_COULD COMMAND RANGE RANGE AVERAGING STATUS Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20180920T213514_20180920T214060C_COULD COMMAND RANGE RANGE AVERAGING STATUS Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20180920T213514_20180920T214060C_COULD COMMAND RANGE RANGE AVERAGING STATUS Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20180920T214652_20180920T214060C_COULD COMMAND RANGE AVERAGING STATUS Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20180920T214652_20180920T214060C_COULD COMMAND RANGE AVERAGING STATUS Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20180920T214652_20180920T214060C_COULD COMMAND RANGE AVERAGING STATUS Flag has been set for one or more records. CS_OFFL_SIR_GOPM_2_20180920T214654_20180920T2246	CS_OFFL_SIR_GOPM_2_20180929T183150_20180929T183345_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20160929719373_2016092972034_C001 CS_OFFL_SIR_GOPM_2_201609297203248_2016092972034_C001 CS_OFFL_SIR_GOPM_2_201609297202248_2016092972034_C001 CS_OFFL_SIR_GOPM_2_201609297202248_20160929720571_C001 CS_OFFL_SIR_GOPM_2_201609297202248_201609297205751_C001 CS_OFFL_SIR_GOPM_2_201609297202248_201609297205751_C001 CS_OFFL_SIR_GOPM_2_201609297202248_201609297205751_C001 CS_OFFL_SIR_GOPM_2_201609297202248_201609297205751_C001 CS_OFFL_SIR_GOPM_2_201609297202248_201609297205751_C001 CS_OFFL_SIR_GOPM_2_201609297210422_201609297210505_0001 CS_OFFL_SIR_GOPM_2_201609297210422_20160929721060_C001 CS_OFFL_SIR_GOPM_2_201609297210606_20160929721106_C001 CS_OFFL_SIR_GOPM_2_201609297211052_20160929721106_C001 CS_OFFL_SIR_GOPM_2_201609297211052_20160929721106_C001 CS_OFFL_SIR_GOPM_2_201609297211052_20160929721106_C001 CS_OFFL_SIR_GOPM_2_201609297211052_20160929721106_C001 CS_OFFL_SIR_GOPM_2_201609297211052_20160929721106_C001 CS_OFFL_SIR_GOPM_2_201609297211052_20160929721304_C001 CS_OFFL_SIR_GOPM_2_201609297211052_20160929721304_C001 CS_OFFL_SIR_GOPM_2_201609297211052_20160929721304_C001 CS_OFFL_SIR_GOPM_2_2016092972140922_0160929721306_C001 CS_OFFL_SIR_GOPM_2_2016092972140922_0160929721306_C001 CS_OFFL_SIR_GOPM_2_20160929722305_00209722305_C001 CS_OFFL_SIR_GOPM_2_20160929722305_00209722305_C001 CS_OFFL_SIR_GOPM_2_20160929722305_00209722305_C001 CS_OFFL_SIR_GOPM_2_20160929722305_00209272305_C001 CS_OFFL_SIR_GOPM_2_201609297230506_20160929723055_C001 CS_OFFL_SIR_GOPM_2_201609297230506_20160929723055_C001 CS_OFFL_SIR_GOPM_2_201609297230506_20160929723050_C001 CS_OFFL_SIR_GOPM_2_2016092971230506_20160929723050_C001 CS_OFFL_SIR_GOPM_2_2016092971230506_20160929723050_C001 CS_OFFL_SIR_GOPM_2_201609297130506_20160929723050_C001 CS_OFFL_SIR_GOPM_2_201609297130506_20160929723050_C001 CS_OFFL_SIR_GOPM_2_201609297130506_20160929723050_C001 CS_OFFL_SIR_GOPM_2_201609297130506_20160929723050_C001 CS_OFFL_SIR_GOPM_2_201609297130506_20160929723050_C001 CS_OFFL_SIR_GOPM_2_201609297130506_2016092	CS_OFFL_SIR_GOPM_2_20180929T184531_20180929T191831_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_201800297120032_2018002971201007_C001 CS_OFFL_SIR_GOPM_2_201800297120032_2018002971201406_C001 CS_OFFL_SIR_GOPM_2_2018002971200364_2018002971201546_C001 CS_OFFL_SIR_GOPM_2_201800297120364_201800297120156_C001 CS_OFFL_SIR_GOPM_2_201800297120364_201800297120156_C001 CS_OFFL_SIR_GOPM_2_201800297120364_201800297120156_C001 CS_OFFL_SIR_GOPM_2_201800297120666_201800297120166_C001 CS_OFFL_SIR_GOPM_2_201800297120666_20180029712016_C001 CS_OFFL_SIR_GOPM_2_201800297120666_20180029712016_C001 CS_OFFL_SIR_GOPM_2_201800297120692971206000 CS_OFFL_SIR_GOPM_2_201800297120692971200000 CS_OFFL_SIR_GOPM_2_201800297120600000000000000000000000000000000000	CS_OFFL_SIR_GOPM_2_20180929T192559_20180929T193112_C001	Ice Range Averaging Status	
CS_OFFL_SIR_GOPM_2_201800297120422_01800297120434_C001 CS_OFFL_SIR_GOPM_2_201800297202248_01800297120436_C001 CS_OFFL_SIR_GOPM_2_201800297120422_01800297120408_C001 CS_OFFL_SIR_GOPM_2_201800297120422_0180029712059_C001 CS_OFFL_SIR_GOPM_2_201800297120422_0180029712059_C001 CS_OFFL_SIR_GOPM_2_201800297120606_20180029712059_C001 CS_OFFL_SIR_GOPM_2_201800297120606_201800297121016_C001 CS_OFFL_SIR_GOPM_2_201800297120606_201800297121016_C001 CS_OFFL_SIR_GOPM_2_201800297121422_01800297121420_C001 CS_OFFL_SIR_GOPM_2_201800297121422_01800297121420_C001 CS_OFFL_SIR_GOPM_2_20180029712422_01800297121420_C001 CS_OFFL_SIR_GOPM_2_20180029712422_0180029712406_C001 CS_OFFL_SIR_GOPM_2_20180029712422_0180029712406_C001 CS_OFFL_SIR_GOPM_2_20180029712452_0180029712437_C001 CS_OFFL_SIR_GOPM_2_20180029712450_C001 CS_OFFL_SIR_GOPM_2_2018002971	CS_OFFL_SIR_GOPM_2_20180929T193723_20180929T195218_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_201809297203654_201809297120550 CS_OFFL_SIR_GOPM_2_201809297203654_201809297120550 CS_OFFL_SIR_GOPM_2_201809297210606_201809297121056_ COEAR Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ice Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. SOFFL_SIR_GOPM_2_201809297124922_2018092971249737.CO01 CS_OFFL_SIR_GOPM_2_201809297124852_201809297124926.CO01 CS_OFFL_SIR_GOPM_2_201809297124852_201809297122457.CO01 CS_OFFL_SIR_GOPM_2_201809297124504_201809297122457.CO01 CS_OFFL_SIR_GOPM_2_2018092971224504_201809297122457.CO01 CS_OFFL_SIR_GOPM_2_201809297124504_201809297122450.CO01 CS_OFFL_SIR_GOPM_2_201809297124504_201809297122450.CO01 CS_OFFL_SIR_GOPM_2_201809297124504_20180929712450.CO01 CS_OFFL_SIR_GOPM_2_201809297124504_20180929712450.CO01 CS_OFFL_SIR_GOPM_2_201809297124504_20180929712450.CO01 CS_OFFL_SIR_GOPM_2_20180929712450.CO01 CS_OFFL_SIR_GOPM_2_20180929712450.CO01 CS_OFFL_SIR_GOPM_2_20180929712450.CO01 CS_OFFL_SIR_GOPM_2_20180929712450.CO01 CS_OFFL_SIR_GOPM_2_20180929712450.CO01 CS_OFFL_SIR_GOPM_2_20180929712450.CO01 CS_OFFL_SIR_GOPM_2_20180929712450.CO01 CS_OFFL_SIR_GOPM_2_20180929712450.CO01 CS_OFFL_SIR_GOPM_2_20180929	CS_OFFL_SIR_GOPM_2_20180929T200832_20180929T201007_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_201809297120654_201809297120555_C001 CS_OFFL_SIR_GOPM_2_201809297210602_201809297120555_C001 CS_OFFL_SIR_GOPM_2_201809297210602_201809297120555_C001 CS_OFFL_SIR_GOPM_2_201809297211622_201809297121060_C001 CS_OFFL_SIR_GOPM_2_20180929711528_201809297121342_C001 CS_OFFL_SIR_GOPM_2_20180929711528_201809297121342_C001 CS_OFFL_SIR_GOPM_2_20180929711528_20180929712344_C001 CS_OFFL_SIR_GOPM_2_20180929711528_201809297123944_C001 CS_OFFL_SIR_GOPM_2_20180929711528_201809297123944_C001 CS_OFFL_SIR_GOPM_2_20180929712354_201809297123944_C001 CS_OFFL_SIR_GOPM_2_201809297120557_201809297123945_C001 CS_OFFL_SIR_GOPM_2_201809297120557_201809297124926_C001 CS_OFFL_SIR_GOPM_2_201809297120557_201809297124926_C001 CS_OFFL_SIR_GOPM_2_201809297120557_201809297124926_C001 CS_OFFL_SIR_GOPM_2_201809297120557_2018092971220570_C001 CS_OFFL_SIR_GOPM_2_201809297120557_2018092971223700_C001 CS_OFFL_SIR_GOPM_2_201809297120557_201809297122457_C001 CS_OFFL_SIR_GOPM_2_201809297120557_2018092971224504_C001 CS_OFFL_SIR_GOPM_2_2018092971205057_2018092971224504_C001 CS_OFFL_SIR_GOPM_2_2018092971205057_2018092971224504_C001 CS_OFFL_SIR_GOPM_2_2018092971205057_2018092971224504_C001 CS_OFFL_SIR_GOPM_2_2018092971205067_2018092971230531_C001 CS_OFFL_SIR_GOPM_2_2018092971205067_2018092971230531_C001 CS_OFFL_SIR_GOPM_2_201809297124504_2018092971230531_C001 CS_OFFL_SIR_GOPM_2_201809297124504_2018092971230531_C001 CS_OFFL_SIR_GOPM_2_201809297124504_2018092971230531_C001 CS_OFFL_SIR_GOPM_2_201809297124504_2018092971230531_C001 CS_OFFL_SIR_GOPM_2_201809297124504_2018092971230531_C001 CS_OFFL_SIR_GOPM_2_201809297124504_2018092971230531_C001 CS_OFFL_SIR_GOPM_2_201809297124504_0018092971230531_C001 CS_OFFL_SIR_GOPM_2_201809297124504_0018092971230531_C001 CS_OFFL_SIR_GOPM_2_201809297124504_0018092971230531_C001 CS_OFFL_SIR_GOPM_2_201809297124504_0018092971230531_C001 CS_OFFL_SIR_GOPM_2_201809297124054_0018092971230531_C001 CS_OFFL_SIR_GOPM_2_201809297124054_0018092971005033_C001 CS_OFFL_SIR_GOPM_2_20180929712405	CS_OFFL_SIR_GOPM_2_20180929T201045_20180929T201234_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180929T210422_20180929T210550_0001 CS_OFFL_SIR_GOPM_2_20180929T210606_20180929T2105000 CS_OFFL_SIR_GOPM_2_20180929T2110528_20180929T2110520_0001 CS_OFFL_SIR_GOPM_2_20180929T2133514_20180929T2133514_20001 CS_OFFL_SIR_GOPM_2_20180929T2133514_20180929T2133514_20001 CS_OFFL_SIR_GOPM_2_20180929T214222_20180929T2133514_20001 CS_OFFL_SIR_GOPM_2_20180929T214222_20180929T2147_0001 CS_OFFL_SIR_GOPM_2_20180929T214222_20180929T2147_0001 CS_OFFL_SIR_GOPM_2_20180929T214222_20180929T2147_0001 CS_OFFL_SIR_GOPM_2_20180929T22237_0001 CS_OFFL_SIR_GOPM_2_20180929T22237_0001 CS_OFFL_SIR_GOPM_2_20180929T2223037_20180929T222137_0001 CS_OFFL_SIR_GOPM_2_20180929T2223037_20180929T222137_0001 CS_OFFL_SIR_GOPM_2_20180929T2223037_20180929T222137_0001 CS_OFFL_SIR_GOPM_2_20180929T2223037_20180929T2223030_0001 CS_OFFL_SIR_GOPM_2_20180929T223033_20180929T2223030_0001 CS_OFFL_SIR_GOPM_2_20180929T223033_20180929T223030_0001 CS_OFFL_SIR_GOPM_2_20180929T223602_20180929T223602_0001 CS_OFFL_SIR_GOPM_2_20180929T223602_0180929T223602_0001 CS_OFFL_SIR_GOPM_2_20180929T23602_0180929T230828_0001 CS_OFFL_SIR_GOPM_2_20180929T23602_0180929T230828_0001 CS_OFFL_SIR_GOPM_2_20180929T23602_0180929T230828_0001 CS_OFFL_SIR_GOPM_2_20180929T23602_0180929T230828_0001 CS_OFFL_SIR_GOPM_2_20180929T213092_0180929T230928_0001 CS_OFFL_SIR_GOPM_2_20180929T2100512_40000_0000000000000000000000000000000	CS_OFFL_SIR_GOPM_2_20180929T202248_20180929T203408_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180929721082_0100297211016_CO1 CS_OFFL_SIR_GOPM_2_201809297211528_201809297214292_CO10 CS_OFFL_SIR_GOPM_2_201809297213514_201809297214292_CO10 CS_OFFL_SIR_GOPM_2_201809297213514_2018092972142942_CO10 CS_OFFL_SIR_GOPM_2_201809297214528_201809297214737_CO10 CS_OFFL_SIR_GOPM_2_201809297214292_CO10 CS_OFFL_SIR_GOPM_2_201809297214292_CO10 CS_OFFL_SIR_GOPM_2_201809297212437_CO10 CS_OFFL_SIR_GOPM_2_20180929722437_CO10 CS_OFFL_SIR_GOPM_2_20180929722437_CO10 CS_OFFL_SIR_GOPM_2_20180929722437_CO10 CS_OFFL_SIR_GOPM_2_20180929722437_CO10 CS_OFFL_SIR_GOPM_2_20180929722450_CO10 CS_OFFL_SIR_GOPM_2_201809297230926_C010 CS_OFFL_SIR_GOPM_2_201809297230926_C010 CS_OFFL_SIR_GOPM_2_201809297230926_C010 CS_OFFL_SIR_GOPM_2_201809297234806_C016 CS_OFFL_SIR_GOPM_2_2018092971248026_C010 CS_OFFL_SIR_GOPM_2_2018092971248026_C010 CS_OFFL_SIR_GOPM_2_201809297124809297124845_C001 CS_OFFL_SIR_GOPM_2_201809297124809297124845_C001 CS_OFFL_SIR_GOPM_2_201809297124909297124345_C001 CS_OFFL_SIR_GOPM_2_2018092971142134_C018092971142345_C001 CS_OFFL_SIR_GOPM_2_2018092971142134_C01809297114344_C01809297114344_C01809297114344_C01809297114344_C018092971144144_C018092971144154_C0180929	CS_OFFL_SIR_GOPM_2_20180929T203654_20180929T205751_C001	Ocean Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180929T21528_20180929T213429_CO1 CS_OFFL_SIR_GOPM_2_20180929T213429_CO101 CS_OFFL_SIR_GOPM_2_20180929T213414_CO101 CS_OFFL_SIR_GOPM_2_20180929T214952_20180929T214926_CO101 CS_OFFL_SIR_GOPM_2_20180929T214952_20180929T214926_CO101 CS_OFFL_SIR_GOPM_2_20180929T224573_CO01 CS_OFFL_SIR_GOPM_2_20180929T222139_20180929T214926_CO101 CS_OFFL_SIR_GOPM_2_20180929T222139_20180929T2223703_CO01 CS_OFFL_SIR_GOPM_2_20180929T222139_20180929T2224570_CO101 CS_OFFL_SIR_GOPM_2_20180929T222393_20180929T2224570_CO101 CS_OFFL_SIR_GOPM_2_20180929T2224570_CO101 CS_OFFL_SIR_GOPM_2_20180929T2224570_CO101 CS_OFFL_SIR_GOPM_2_20180929T2224570_CO101 CS_OFFL_SIR_GOPM_2_20180929T2230933_20180929T2224570_CO101 CS_OFFL_SIR_GOPM_2_20180929T2230933_20180929T224550_CO101 CS_OFFL_SIR_GOPM_2_20180929T2230933_20180929T224550_CO101 CS_OFFL_SIR_GOPM_2_20180929T225602_20180929T230931_CO01 CS_OFFL_SIR_GOPM_2_20180929T225602_20180929T230931_CO01 CS_OFFL_SIR_GOPM_2_20180929T225602_20180929T230931_CO01 CS_OFFL_SIR_GOPM_2_20180929T230926_20180929T230931_CO01 CS_OFFL_SIR_GOPM_2_20180929T230926_20180929T230933_CO01 CS_OFFL_SIR_GOPM_2_20180929T230926_20180929T230933_CO01 CS_OFFL_SIR_GOPM_2_20180929T230926_20180929T230933_CO01 CS_OFFL_SIR_GOPM_2_20180929T230926_20180929T230933_CO01 CS_OFFL_SIR_GOPM_2_20180929T230926_20180929T230936_20180929T2309381_CO01 CS_OFFL_SIR_GOPM_2_20180929T230926_20180929T2309381_CO01 CS_OFFL_SIR_GOPM_2_20180929T230936_20180929T2309381_CO01 CS_OFFL_SIR_GOPM_2_20180929T230936_20180929T2309383_CO01 CS_OFFL_SIR_GOPM_2_20180929T230936_20180929T2053093_CO01 CS_OFFL_SIR_GOPM_2_20180929T230936_20180929T2053093_CO01 CS_OFFL_SIR_GOPM_2_20180929T230936_20180929T2053093_CO01 CS_OFFL_SIR_GOPM_2_20180929T230936_20180929T2053093_CO01 CS_OFFL_SIR_GOPM_2_20180929T230936_20180929T2053093_CO01 CS_OFFL_SIR_GOPM_2_20180929T230936_20180929T20535_CO01 CS_OFFL_SIR_GOPM_2_20180929T230936_20180929T20535_CO01 CS_OFFL_SIR_GOPR_2_20180929T142345_20180929T170104_CO01 CS_OFFL_SIR_GOPR_2_20180929T13488_20180929T170	CS_OFFL_SIR_GOPM_2_20180929T210422_20180929T210559_C001	Ice Range Averaging Status	
CS_OFFL_SIR_GOPM_2_20180929T214354_20180929T214737_C001 CS_OFFL_SIR_GOPM_2_20180929T214552_20180929T214737_C001 CS_OFFL_SIR_GOPM_2_20180929T214552_20180929T214952_C001 CS_OFFL_SIR_GOPM_2_20180929T22237_C001 CS_OFFL_SIR_GOPM_2_20180929T22237_C001 CS_OFFL_SIR_GOPM_2_20180929T22237_C001 CS_OFFL_SIR_GOPM_2_20180929T22237_C001 CS_OFFL_SIR_GOPM_2_20180929T22237_C001 CS_OFFL_SIR_GOPM_2_20180929T22237_C001 CS_OFFL_SIR_GOPM_2_20180929T22337_C001 CS_OFFL_SIR_GOPM_2_20180929T22337_C001 CS_OFFL_SIR_GOPM_2_20180929T22337_C001 CS_OFFL_SIR_GOPM_2_20180929T22337_C001 CS_OFFL_SIR_GOPM_2_20180929T224504_20180929T22450_C001 CS_OFFL_SIR_GOPM_2_20180929T224504_20180929T224501_C001 CS_OFFL_SIR_GOPM_2_20180929T224504_20180929T2230831_C001 CS_OFFL_SIR_GOPM_2_20180929T224504_20180929T230831_C001 CS_OFFL_SIR_GOPM_2_20180929T224502_20180929T230831_C001 CS_OFFL_SIR_GOPM_2_20180929T230826_20180929T230831_C001 CS_OFFL_SIR_GOPM_2_20180929T230826_20180929T230831_C001 CS_OFFL_SIR_GOPM_2_20180929T230826_20180929T230830_C001 CS_OFFL_SIR_GOPM_2_20180929T230826_20180929T230830_C001 CS_OFFL_SIR_GOPM_2_20180929T244505_20180929T241132_C001 CS_OFFL_SIR_GOPM_2_20180929T244505_20180929T21132_C001 CS_OFFL_SIR_GOPM_2_20180929T214052_20180929T21132_C001 CS_OFFL_SIR_GOPM_2_20180929T214052_20180929T2141234_C001 CS_OFFL_SIR_GOPM_2_20180929T214052_20180929T142345_C001 CS_OFFL_SIR_GOPM_2_20180929T142345_C001 CS_OFFL_SIR_GOPR_2_20180929T142345_C001 CS_OFFL_SIR_GOPR_2_20180929T14384_20180929T143445_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T173848_20180929T173404_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T17606_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T17606_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T17606_C001 CS_OFFL_SIR_GOPR_2_20180929T176456_C001 CS_OFFL_SIR_GOPR_2_20180929T17	CS_OFFL_SIR_GOPM_2_20180929T210606_20180929T211016_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180929T214222_20180929T21427_C001 CS_OFFL_SIR_GOPM_2_20180929T214222_20180929T214286_C001 CS_OFFL_SIR_GOPM_2_20180929T214852_20180929T214286_C001 CS_OFFL_SIR_GOPM_2_20180929T224852_20180929T22137_C001 CS_OFFL_SIR_GOPM_2_20180929T224852_20180929T222137_C001 CS_OFFL_SIR_GOPM_2_20180929T222139_20180929T222137_C001 CS_OFFL_SIR_GOPM_2_20180929T222393_20180929T223703_C001 CS_OFFL_SIR_GOPM_2_20180929T2223933_20180929T223703_C001 CS_OFFL_SIR_GOPM_2_20180929T223933_20180929T22457_C001 CS_OFFL_SIR_GOPM_2_20180929T224504_20180929T224510_C001 CS_OFFL_SIR_GOPM_2_20180929T224504_20180929T224510_C001 CS_OFFL_SIR_GOPM_2_20180929T224504_20180929T230936_C001 CS_OFFL_SIR_GOPM_2_20180929T2350926_20180929T232628_C001 CS_OFFL_SIR_GOPM_2_20180929T234806_20180929T235928_C001 CS_OFFL_SIR_GOPM_2_20180929T214072_20180929T235928_C001 CS_OFFL_SIR_GOPM_2_20180929T211017_20180929T21132_C001 CS_OFFL_SIR_GOPM_2_20180929T211017_20180929T21132_C001 CS_OFFL_SIR_GOPM_2_20180929T214092_20180929T21132_C001 CS_OFFL_SIR_GOPM_2_20180929T214092_20180929T21132_C001 CS_OFFL_SIR_GOPM_2_20180929T214092_20180929T21424_C001 CS_OFFL_SIR_GOPM_2_20180929T214092_20180929T21424_C001 CS_OFFL_SIR_GOPM_2_20180929T214092_20180929T214234_C001 CS_OFFL_SIR_GOPM_2_20180929T214092_20180929T14234_C001 CS_OFFL_SIR_GOPM_2_20180929T214335_20180929T14234_C001 CS_OFFL_SIR_GOPM_2_20180929T14234_20180929T1004_C001 CS_OFFL_SIR_GOPM_2_20180929T14234_20180929T1004_C001 CS_OFFL_SIR_GOPM_2_20180929T14234_20180929T1004_C001 CS_OFFL_SIR_GOPM_2_20180929T14234_20180929T1004_C001 CS_OFFL_SIR_GOPM_2_20180929T14234_D180929T1004_C001 CS_OFFL_SIR_GOPM_2_20180929T14234_D180929T1004_C001 CS_OFFL_SIR_GOPM_2_20180929T14234_D180929T1004_C001 CS_OFFL_SIR_GOPM_2_20180929T14234_D180929T1004_C001 CS_OFFL_SIR_GOPM_2_20180929T14234_D180929T1004_C001 CS_OFFL_SIR_GOPM_2_20180929T14234_D180929T1004_C001 CS_OFFL_SIR_GOPM_2_20180929T14234_D180929T1004_C001 CS_OFFL_SIR_GOPM_2_20180929T1042345_C001 CS_OFFL_SIR_GOPM_2_20180929T1042345_C001 CS_OFFL_SIR_GOPM	CS_OFFL_SIR_GOPM_2_20180929T211528_20180929T213429_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180929T214926_C001 CS_OFFL_SIR_GOPM_2_20180929T214926_C001 CS_OFFL_SIR_GOPM_2_20180929T220537_20180929T22137_C001 CS_OFFL_SIR_GOPM_2_20180929T220537_20180929T2223703_C001 CS_OFFL_SIR_GOPM_2_20180929T222393_20180929T2223703_C001 CS_OFFL_SIR_GOPM_2_20180929T223933_20180929T2224457_C001 CS_OFFL_SIR_GOPM_2_20180929T223933_20180929T224457_C001 CS_OFFL_SIR_GOPM_2_20180929T224504_20180929T224510_C001 CS_OFFL_SIR_GOPM_2_20180929T224504_20180929T224510_C001 CS_OFFL_SIR_GOPM_2_20180929T224504_20180929T2245001 CS_OFFL_SIR_GOPM_2_20180929T224504_20180929T230831_C001 CS_OFFL_SIR_GOPM_2_20180929T230926_20180929T230831_C001 CS_OFFL_SIR_GOPM_2_20180929T230926_20180929T230831_C001 CS_OFFL_SIR_GOPM_2_20180929T234806_20180929T235928_C001 CS_OFFL_SIR_GOPM_2_20180929T244936_20180929T235928_C001 CS_OFFL_SIR_GOPM_2_20180929T211017_20180929T235928_C001 CS_OFFL_SIR_GOPM_2_20180929T211017_20180929T211132_C001 CS_OFFL_SIR_GOPM_2_20180929T211017_20180929T211132_C001 CS_OFFL_SIR_GOPM_2_20180929T211017_20180929T211132_C001 CS_OFFL_SIR_GOPM_2_20180929T211017_20180929T211132_C001 CS_OFFL_SIR_GOPM_2_20180929T211017_20180929T2110101_C001 CS_OFFL_SIR_GOPR_2_20180929T11017_20180929T11132_C001 CS_OFFL_SIR_GOPR_2_20180929T11017_20180929T11132_C001 CS_OFFL_SIR_GOPR_2_20180929T11017_20180929T11132_C001 CS_OFFL_SIR_GOPR_2_20180929T11017_20180929T11132_C001 CS_OFFL_SIR_GOPR_2_20180929T11017_20180929T11132_C001 CS_OFFL_SIR_GOPR_2_20180929T11017_20180929T110104_C001 CS_OFFL_SIR_GOPR_2_20180929T11017_20180929T10104_C001 CS_OFFL_SIR_GOPR_2_20180929T113348_20180929T10104_C001 CC_OCAN Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averagi	CS_OFFL_SIR_GOPM_2_20180929T213514_20180929T213944_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180929T222137_C001 CS_OFFL_SIR_GOPM_2_20180929T222137_C010 CS_OFFL_SIR_GOPM_2_20180929T222139_20180929T223703_C001 CS_OFFL_SIR_GOPM_2_20180929T222393_20180929T22457_C001 CS_OFFL_SIR_GOPM_2_20180929T223933_20180929T22457_C001 CS_OFFL_SIR_GOPM_2_20180929T224504_20180929T224501_C001 CS_OFFL_SIR_GOPM_2_20180929T224504_20180929T224510_C001 CS_OFFL_SIR_GOPM_2_20180929T225602_20180929T230831_C001 CS_OFFL_SIR_GOPM_2_20180929T230926_20180929T230826_C001 CS_OFFL_SIR_GOPM_2_20180929T230926_20180929T23628_C001 CS_OFFL_SIR_GOPM_2_20180929T234806_20180929T235928_C001 CS_OFFL_SIR_GOPM_2_20180929T214017_20180929T211132_C001 CS_OFFL_SIR_GOPM_2_20180929T214017_20180929T211132_C001 CS_OFFL_SIR_GOPM_2_20180929T214014_20180929T215214_C001 CS_OFFL_SIR_GOPM_2_20180929T214235_20180929T205303_C001 CS_OFFL_SIR_GOPM_2_20180929T214235_20180929T15214_C001 CS_OFFL_SIR_GOPM_2_20180929T142134_20180929T105303_C001 CS_OFFL_SIR_GOPR_2_20180929T142134_20180929T105303_C001 CS_OFFL_SIR_GOPR_2_20180929T142134_20180929T105303_C001 CS_OFFL_SIR_GOPR_2_20180929T142134_20180929T105303_C001 CS_OFFL_SIR_GOPR_2_20180929T142134_20180929T10540_C001 CS_OFFL_SIR_GOPR_2_20180929T142134_20180929T142345_C001 CS_OFFL_SIR_GOPR_2_20180929T142134_20180929T142345_C001 CCS_OFFL_SIR_GOPR_2_20180929T142134_20180929T142345_C001 CCS_OFFL_SIR_GOPR_2_20180929T142134_20180929T105303_C001 CCS_OFFL_SIR_GOPR_2_20180929T142134_20180929T1040_C001 CCS_OFFL_SIR_GOPR_2_20180929T142134_20180929T1040_C001 CCS_OFFL_SIR_GOPR_2_20180929T142134_20180929T142345_C001 CCS_OFFL_SIR_GOPR_2_20180929T142134_20180929T170104_C001 CCS_OFFL_SIR_GOPR_2_20180929T142134_20180929T170104_C001 CCS_OFFL_SIR_GOPR_2_20180929T142134_20180929T170104_C001 CCS_OFFL_SIR_GOPR_2_20180929T142134_20180929T10506_C001 CCS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174040_C001 CCS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174040_C001 CCS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174060_C001 CCS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174060_C001 CCS_OFFL_SIR_GOPR_2_201	CS_OFFL_SIR_GOPM_2_20180929T214222_20180929T214737_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180929T222139_20180929T223703_C001 CS_OFFL_SIR_GOPM_2_20180929T222139_20180929T224457_C001 CS_OFFL_SIR_GOPM_2_20180929T223933_20180929T224457_C001 CS_OFFL_SIR_GOPM_2_20180929T224504_20180929T224510_C001 CS_OFFL_SIR_GOPM_2_20180929T224504_20180929T224510_C001 CS_OFFL_SIR_GOPM_2_20180929T225602_20180929T230831_C001 CS_OFFL_SIR_GOPM_2_20180929T225602_20180929T230831_C001 CS_OFFL_SIR_GOPM_2_20180929T230926_20180929T230831_C001 CS_OFFL_SIR_GOPM_2_20180929T230926_20180929T230928_C001 CS_OFFL_SIR_GOPM_2_20180929T234806_20180929T235928_C001 CS_OFFL_SIR_GOPM_2_20180929T211017_20180929T211132_C001 CS_OFFL_SIR_GOPM_2_20180929T211017_20180929T211132_C001 CS_OFFL_SIR_GOPM_2_20180929T214935_20180929T215214_C001 CS_OFFL_SIR_GOPM_2_20180929T214935_20180929T215214_C001 CS_OFFL_SIR_GOPR_2_20180929T142134_20180929T142345_C001 CS_OFFL_SIR_GOPR_2_20180929T142134_20180929T170104_C001 CS_OFFL_SIR_GOPR_2_20180929T142134_20180929T170104_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T17304_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001 CS_OFF	CS_OFFL_SIR_GOPM_2_20180929T214852_20180929T214926_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180929T224504_20180929T224510_C001 CS_OFFL_SIR_GOPM_2_20180929T224504_20180929T224510_C001 CS_OFFL_SIR_GOPM_2_20180929T224504_20180929T230831_C001 CS_OFFL_SIR_GOPM_2_20180929T225602_20180929T230831_C001 CS_OFFL_SIR_GOPM_2_20180929T230926_20180929T230831_C001 CS_OFFL_SIR_GOPM_2_20180929T230926_20180929T230831_C001 CS_OFFL_SIR_GOPM_2_20180929T230926_20180929T230828_C001 CS_OFFL_SIR_GOPM_2_20180929T234806_20180929T235928_C001 CS_OFFL_SIR_GOPM_2_20180929T21017_20180929T235928_C001 CS_OFFL_SIR_GOPM_2_20180929T211017_20180929T211132_C001 CS_OFFL_SIR_GOPM_2_20180929T211017_20180929T211132_C001 CS_OFFL_SIR_GOPM_2_20180929T214935_20180929T215214_C001 CS_OFFL_SIR_GOPM_2_20180929T214935_20180929T215214_C001 CS_OFFL_SIR_GOPM_2_20180929T214935_20180929T215214_C001 CS_OFFL_SIR_GOPM_2_20180929T05124_20180929T05303_C001 CS_OFFL_SIR_GOPM_2_20180929T142134_20180929T142345_C001 CS_OFFL_SIR_GOPM_2_20180929T142134_20180929T142345_C001 CS_OFFL_SIR_GOPM_2_20180929T142134_20180929T170104_C001 CS_OFFL_SIR_GOPM_2_20180929T142134_20180929T170104_C001 CS_OFFL_SIR_GOPM_2_20180929T173848_20180929T170104_C001 CS_OFFL_SIR_GOPM_2_20180929T100528_20180929T1700545_C001 CS_OFFL_SIR_GOPM_2_20180929T200528_20180929T100545_C0	CS_OFFL_SIR_GOPM_2_20180929T220537_20180929T222137_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180929T224504_20180929T224510_C001 CS_OFFL_SIR_GOPM_2_20180929T224504_20180929T235928_C001 CS_OFFL_SIR_GOPM_2_20180929T230926_20180929T2352628_C001 CS_OFFL_SIR_GOPM_2_20180929T234806_20180929T2352828_C001 CS_OFFL_SIR_GOPM_2_20180929T234806_20180929T235928_C001 CS_OFFL_SIR_GOPM_2_20180929T244935_20180929T211132_C001 CS_OFFL_SIR_GOPM_2_20180929T214935_20180929T215214_C001 CS_OFFL_SIR_GOPM_2_20180929T214935_20180929T215214_C001 CS_OFFL_SIR_GOPM_2_20180929T214935_20180929T215214_C001 CS_OFFL_SIR_GOPM_2_20180929T05124_20180929T215214_C001 CS_OFFL_SIR_GOPM_2_20180929T05124_20180929T142134_20180929T142134_C001 CS_OFFL_SIR_GOPM_2_20180929T142134_20180929T142345_C001 CS_OFFL_SIR_GOPM_2_20180929T142134_20180929T142345_C001 CS_OFFL_SIR_GOPM_2_20180929T142134_20180929T142345_C001 CS_OFFL_SIR_GOPM_2_20180929T142134_20180929T142345_C001 CS_OFFL_SIR_GOPM_2_20180929T142134_20180929T142345_C001 CS_OFFL_SIR_GOPM_2_20180929T142134_20180929T142345_C001 CS_OFFL_SIR_GOPM_2_20180929T142134_20180929T142345_C001 CS_OFFL_SIR_GOPM_2_20180929T142348_20180929T170104_C001 CS_OFFL_SIR_GOPM_2_20180929T142348_20180929T170104_C001 CS_OFFL_SIR_GOPM_2_20180929T142348_20180929T170104_C001 CS_OFFL_SIR_GOPM_2_20180929T165450_20180929T170104_C001 CS_OFFL_SIR_GOPM_2_20180929T165450_20180929T170104_C001 CS_OFFL_SIR_GOPM_2_20180929T165450_20180929T170104_C001 CS_OFFL_SIR_GOPM_2_20180929T10559_20180929T170104_C001 CS_OFFL_SIR_GOPM_2_20180929T10559_20180929T17005545_C001 COean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for one or more records. The Ocean Range Averaging Status Flag has been set for o	CS_OFFL_SIR_GOPM_2_20180929T222139_20180929T223703_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180929T225602_20180929T230831_C001 CS_OFFL_SIR_GOPM_2_20180929T230926_20180929T232628_C001 CS_OFFL_SIR_GOPM_2_20180929T234806_20180929T235928_C001 CS_OFFL_SIR_GOPM_2_20180929T234806_20180929T235928_C001 CS_OFFL_SIR_GOPM_2_20180929T214017_20180929T235928_C001 CS_OFFL_SIR_GOPM_2_20180929T211017_20180929T21132_C001 CS_OFFL_SIR_GOPM_2_20180929T211017_20180929T211132_C001 CS_OFFL_SIR_GOPM_2_20180929T214935_20180929T215214_C001 CS_OFFL_SIR_GOPM_2_20180929T214935_20180929T215214_C001 CS_OFFL_SIR_GOPM_2_20180929T214935_20180929T05124_20180929T05303_C001 CS_OFFL_SIR_GOPR_2_20180929T142134_20180929T142345_C001 CS_OFFL_SIR_GOPR_2_20180929T142134_20180929T142345_C001 CS_OFFL_SIR_GOPR_2_20180929T142134_20180929T170104_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T170104_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T173848_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174006_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174006_C001 CS_OFFL_SIR_GOPR_2_20180929T200528_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_201	CS_OFFL_SIR_GOPM_2_20180929T223933_20180929T224457_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180929T230926_20180929T235928_C001 CS_OFFL_SIR_GOPM_2_20180929T234806_20180929T235928_C001 CS_OFFL_SIR_GOPM_2_20180929T234806_20180929T235928_C001 CS_OFFL_SIR_GOPM_2_20180929T234806_20180929T235928_C001 CS_OFFL_SIR_GOPM_2_20180929T211017_20180929T211132_C001 CS_OFFL_SIR_GOPM_2_20180929T211017_20180929T211132_C001 CS_OFFL_SIR_GOPM_2_20180929T214935_20180929T215214_C001 CS_OFFL_SIR_GOPM_2_20180929T214935_20180929T215214_C001 CS_OFFL_SIR_GOPM_2_20180929T0055124_20180929T005303_C001 CS_OFFL_SIR_GOPR_2_20180929T142134_20180929T142345_C001 CS_OFFL_SIR_GOPR_2_20180929T142134_20180929T142345_C001 CS_OFFL_SIR_GOPR_2_20180929T165450_20180929T170104_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T100545_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T10545_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200528_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T20528_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T20528_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T20528_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T20528_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T20528_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T20528_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T20528_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T20528_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200528_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200528_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200528_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T20528_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200528_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200528_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200528_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200528_20180929T200545_C001 CS_	CS_OFFL_SIR_GOPM_2_20180929T224504_20180929T224510_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180929T234806_20180929T235928_C001 CS_OFFL_SIR_GOPM_2_20180929T211017_20180929T211132_C001 CS_OFFL_SIR_GOPN_2_20180929T211017_20180929T211132_C001 CS_OFFL_SIR_GOPN_2_20180929T214935_20180929T215214_C001 CS_OFFL_SIR_GOPR_2_20180929T005124_20180929T005303_C001 CS_OFFL_SIR_GOPR_2_20180929T005124_20180929T005303_C001 CS_OFFL_SIR_GOPR_2_20180929T142134_20180929T142345_C001 CS_OFFL_SIR_GOPR_2_20180929T165450_20180929T170104_C001 CS_OFFL_SIR_GOPR_2_20180929T165450_20180929T170104_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200528_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200538_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200538_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200538_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200538_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200538_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200538_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200538_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200538_20180929T200545_	CS_OFFL_SIR_GOPM_2_20180929T225602_20180929T230831_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPN_2_20180929T211017_20180929T21132_C001 CS_OFFL_SIR_GOPN_2_20180929T211017_20180929T21132_C001 CS_OFFL_SIR_GOPN_2_20180929T214935_20180929T215214_C001 CS_OFFL_SIR_GOPN_2_20180929T214935_20180929T215214_C001 CS_OFFL_SIR_GOPR_2_20180929T005124_20180929T005303_C001 CS_OFFL_SIR_GOPR_2_20180929T142134_20180929T005303_C001 CS_OFFL_SIR_GOPR_2_20180929T142134_20180929T142345_C001 CS_OFFL_SIR_GOPR_2_20180929T165450_20180929T170104_C001 CS_OFFL_SIR_GOPR_2_20180929T165450_20180929T170104_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T20528_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T20528_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T20528_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T20528_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T20528_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T20528_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T20528_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T20528_20180929T20545_C001 CS_OFFL_SIR_GOPR_2_20180929T20558_20180	CS_OFFL_SIR_GOPM_2_20180929T230926_20180929T232628_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPN_2_20180929T211017_20180929T21132_C001 CS_OFFL_SIR_GOPN_2_20180929T214935_20180929T215214_C001 CS_OFFL_SIR_GOPR_2_20180929T005124_20180929T005303_C001 CS_OFFL_SIR_GOPR_2_20180929T142134_20180929T142345_C001 CS_OFFL_SIR_GOPR_2_20180929T142134_20180929T170104_C001 CS_OFFL_SIR_GOPR_2_20180929T165450_20180929T170104_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T20528_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_	CS_OFFL_SIR_GOPM_2_20180929T234806_20180929T235928_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPR_2_20180929T142134_20180929T105303_C001 CS_OFFL_SIR_GOPR_2_20180929T142134_20180929T142345_C001 CS_OFFL_SIR_GOPR_2_20180929T142134_20180929T142345_C001 CS_OFFL_SIR_GOPR_2_20180929T165450_20180929T170104_C001 CS_OFFL_SIR_GOPR_2_20180929T170104_C001 CS_OFFL_SIR_GOPR_2_20180929T170104_C001 CS_OFFL_SIR_GOPR_2_20180929T170104_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T20528_20180929T200545_C001 CS_OFFL_SIR	CS_OFFL_SIR_GOPN_2_20180929T211017_20180929T211132_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPR_2_20180929T105124_20180929T105303_C001 CS_OFFL_SIR_GOPR_2_20180929T142134_20180929T170104_C001 CS_OFFL_SIR_GOPR_2_20180929T165450_20180929T170104_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T20528_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T20528_20180929T20545_C001 CS_OFFL_SIR_GOPR_2_20180929T20528_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200528_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200528_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200528_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200528_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200545_C001 CS_OFFL_SIR_GOP	CS_OFFL_SIR_GOPN_2_20180929T214935_20180929T215214_C001	Ice Range Averaging Status	records.
CS_OFFL_SIR_GOPR_2_20180929T142134_20180929T170104_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T170104_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T200528_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200545_C001	CS_OFFL_SIR_GOPR_2_20180929T005124_20180929T005303_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPR_2_20180929T1705450_20180929T170104_C001 CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T200528_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_2018	CS_OFFL_SIR_GOPR_2_20180929T142134_20180929T142345_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001 CS_OFFL_SIR_GOPR_2_20180929T200528_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T200528_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T210559_20180929T200545_C001 CS_OFFL_SIR_GOPR_2_20180929T210559_20180929T200545_C001 Item Range Averaging Status The Ocean Range Averaging Status The Ocean Range Averaging Status Flag has been set for one or more The Item Range Averaging Status Flag has been set for one or more	CS_OFFL_SIR_GOPR_2_20180929T165450_20180929T170104_C001	Ocean Range Averaging Status	records.
CS_OFFL_SIR_GOPR_2_201009291200929_201009291200945_C001 CS_OFFL_SIR_GOPR_2_2018009291200929_201009291200945_C001 Lice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more	CS_OFFL_SIR_GOPR_2_20180929T173848_20180929T174304_C001	Ocean Range Averaging Status	records.
	CS_OFFL_SIR_GOPR_2_20180929T200528_20180929T200545_C001	Ocean Range Averaging Status	records.
	CS_OFFL_SIR_GOPR_2_20180929T210559_20180929T210606_C001	Ice Range Averaging Status	

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
		The SWH and Ocean Averaging Status Flags have been set for one or
C3_O11 E_3II_GOFIW_2_201009291000134_201009291001049_C001	Backscatter Averaging Status	more records.
CS OFFL SIR GOPM 2 20180929T001918 20180929T002108 C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
C3_O11 E_311_GOF1\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Backscatter Averaging Status	more records.
CS OFFL SIR GOPM 2 20180929T004101 20180929T005123 C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
C3_OFFL_3IK_GOFM_2_201009291004101_201009291003123_C001	Backscatter Averaging Status	more records.

CS_OFFL_SIR_GOPM_2_20180929T005303_20180929T010636_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20180929T010949_20180929T011451_C001	Backscatter Averaging Status Ice Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T011528_20180929T011629_C001	Ice Backscatter Averaging Status	records. The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T012923_20180929T013553_C001	SWH Averaging Status, Ocean	The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20180929T014207_20180929T014513_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_20180929T014756_20180929T015345_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 20180929T015507 20180929T015713 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_20180929T022442_20180929T024502_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_20180929T025017_20180929T025407_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_20180929T025429_20180929T025704_C001	Ice Backscatter Averaging Status	records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180929T030138_20180929T032906_C001	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20180929T040106_20180929T042428_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_20180929T042800_20180929T043321_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_20180929T044043_20180929T045122_C001	SWH Averaging Status, Ocean	records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20180929T045700_20180929T051313_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_20180929T052640_20180929T052753_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 201809291052823 201809291053338 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 SWH Averaging Status, Ocean	more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20180929T053709_20180929T055625_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_20180929T055952_20180929T060349_C001	Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180929T060801_20180929T061558_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_20180929T062142_20180929T065312_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_20180929T070521_20180929T070735_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_20180929T072829_20180929T074159_C001	Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180929T074733_20180929T075247_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_20180929T080009_20180929T082101_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_20180929T082346_20180929T083514_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_20180929T084433_20180929T084835_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_20180929T090350_20180929T090954_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_20180929T091142_20180929T092137_C001	Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180929T092912_20180929T093148_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_20180929T093917_20180929T101512_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_20180929T102743_20180929T105924_C001	Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180929T111300_20180929T111600_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_20180929T111829_20180929T114621_C001	Backscatter Averaging Status	more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180929T120255_20180929T120533_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_20180929T120758_20180929T122403_C001	Backscatter Averaging Status	more records.
CS_OFFL_SIR_GOPM_2_20180929T124026_20180929T124124_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records. The Ice Backscatter Averaging Status Flag has been set for one or more
CS_OFFL_SIR_GOPM_2_20180929T124734_20180929T125013_C001	Ice Backscatter Averaging Status	records. The loe Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T125032_20180929T125500_C001	Ice Backscatter Averaging Status	records.
CS_OFFL_SIR_GOPM_2_20180929T125800_20180929T131147_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20180929T131327_20180929T131610_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20180929T134329_20180929T134413_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records. The SWH and Ocean Averaging Status Flags have been set for one or
CS_OFFL_SIR_GOPM_2_20180929T135852_20180929T142134_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_20180929T142525_20180929T143409_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T143746_20180929T150120_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_20180929T151233_20180929T151511_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_20180929T153329_20180929T160101_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_20180929T160741_20180929T161202_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T161705_20180929T164307_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_20180929T164830_20180929T165449_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_20180929T170854_20180929T172357_C001	SWH Averaging Status, Ocean Backscatter Averaging Status	The SWH and Ocean Averaging Status Flags have been set for one or more records.
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CS_OFFL_SIR_GOPM_2_20180929T172930_20180929T173848_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_20180929T174654_20180929T175241_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T183150_20180929T183345_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_20180929T184531_20180929T191831_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_20180929T192559_20180929T193112_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T193723_20180929T195218_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_20180929T200832_20180929T201007_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_20180929T201045_20180929T201234_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_20180929T202248_20180929T203408_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_20180929T203654_20180929T205751_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_20180929T210422_20180929T210559_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOPM_2_20180929T210606_20180929T211016_C001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has 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.

umber 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).

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:

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_220180928T233552_20180929T002532_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180929T002532_20180929T011506_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_220180929T011506_20180929T020445_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_220180929T020445_20180929T025419_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_220180929T025419_20180929T034359_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180929T034359_20180929T043333_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_220180929T043333_20180929T052312_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180929T052312_20180929T061247_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_220180929T061247_20180929T070226_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180929T070226_20180929T075200_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_220180929T075200_20180929T084140_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180929T084140_20180929T093114_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180929T093114_20180929T102053_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_GOP_220180929T102053_20180929T111027_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180929T111027_20180929T120007_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_220180929T120007_20180929T124941_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_220180929T124941_20180929T133920_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_220180929T133920_20180929T142854_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_220180929T142854_20180929T151834_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_220180929T151834_20180929T160808_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180929T160808_20180929T165748_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_220180929T165748_20180929T174722_C001	Ocean Range Averaging Status	The Ocean Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20180929T174722_20180929T183701_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_220180929T183701_20180929T192635_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_220180929T192635_20180929T201615_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_220180929T201615_20180929T210549_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_220180929T210549_20180929T215528_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_220180929T215528_20180929T224502_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_220180929T224502_20180929T233442_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_220180929T233442_20180930T002416_C002	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_20180928T233552_20180929T002532_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_20180929T002532_20180929T011506_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_20180929T011506_20180929T020445_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_20180929T020445_20180929T025419_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_20180929T025419_20180929T034359_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_220180929T034359_20180929T043333_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_20180929T043333_20180929T052312_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_220180929T052312_20180929T061247_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_20180929T061247_20180929T070226_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_220180929T070226_20180929T075200_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_20180929T075200_20180929T084140_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_220180929T084140_20180929T093114_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_220180929T093114_20180929T102053_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_220180929T102053_20180929T111027_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_20180929T111027_20180929T120007_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_220180929T120007_20180929T124941_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_220180929T124941_20180929T133920_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_20180929T133920_20180929T142854_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.

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CS_OFFL_SIR_GOP_2_20180929T142854_20180929T151834_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_220180929T151834_20180929T160808_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_20180929T160808_20180929T165748_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_20180929T165748_20180929T174722_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_20180929T174722_20180929T183701_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_20180929T183701_20180929T192635_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_20180929T192635_20180929T201615_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_20180929T201615_20180929T210549_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_20180929T210549_20180929T215528_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_20180929T215528_20180929T224502_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_20180929T224502_20180929T233442_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_20180929T233442_20180930T002416_C002	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.

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220180928T233552_20180929T002532_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180929T002532_20180929T011506_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180929T011506_20180929T020445_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180929T020445_20180929T025419_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180929T034359_20180929T043333_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180929T043333_20180929T052312_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180929T052312_20180929T061247_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180929T061247_20180929T070226_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180929T070226_20180929T075200_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180929T075200_20180929T084140_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180929T084140_20180929T093114_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180929T093114_20180929T102053_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180929T102053_20180929T111027_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180929T111027_20180929T120007_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180929T120007_20180929T124941_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180929T124941_20180929T133920_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180929T133920_20180929T142854_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180929T142854_20180929T151834_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180929T160808_20180929T165748_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180929T165748_20180929T174722_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180929T174722_20180929T183701_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180929T183701_20180929T192635_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180929T192635_20180929T201615_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180929T201615_20180929T210549_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180929T210549_20180929T215528_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180929T215528_20180929T224502_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180929T224502_20180929T233442_C001	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220180929T233442_20180930T002416_C002	Ocean Retracking Quality Flag	The Ocean Retracking Quality Flag has been set for one or more records.
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