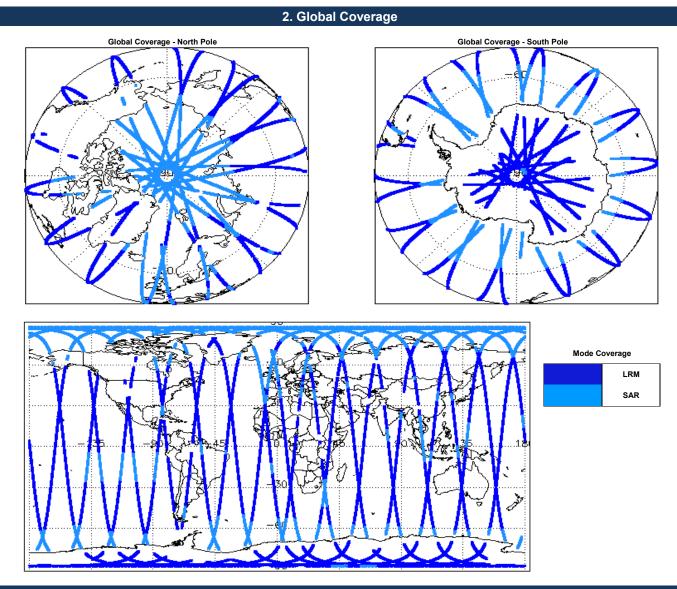


IDEAS+ Daily Report for GOP data:

<u>23/11/2015</u>

eport Produ			Check	Status	
	otion Bato.	23-Dec-2015	Server check: science-pds.cryosat.esa.int	Nominal	
Brocosso	r Usad:	CryoSat Ocean Processor	Server check: calval-pds.cryosat.esa.int	Nominal	
Processor Used:	CryoSal Ocean Processor	Product Software Check	Nominal		
Data U	a a di	Geophysical Ocean Products (GOP)	Product Format Check	Nominal	
Data U	sea:	L1B and L2 Science Data	Product Header Analysis	Nominal	
			Auxiliary Data File Usage Check	Nominal	
			Auxiliary Correction Error Check	See Section 5.4	
			Measurement Confidence Data Check	See Section 4.6, 5.6, 5.7 and 5.8	



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 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. Number of products with errors: 0

4.3 L1B Auxilary Data File Usage Check		
Each product is checked for missing Data Set Descriptors with respect to a pre	e-determined baseline and also to check the va	lidity of Auxiliary Data Files is correct.
lumber of products with errors: 0		
.4 L1B Auxiliary Correction Error Check		
ryoSat L1B data includes a correction error flag (field 60) for each measureme	ent record. The bit value of this flag indicates a	ny problems when set.
umber of products with errors: 0		
.5 L1B Measurement Confidence Data Check		
ryoSat L1B data includes a measurement confidence flag (field 12) for each n umber of products with errors: 0	neasurement record. The bit value of this hag	ngicates any problems when set.
I.6 L1B Waveform Group Data Check		
ryoSat L1B data includes a waveform data flag (field 65) for each measureme	ent record. The bit value of this flag indicates a	ny problems when set.
oss of Echo Flag: This flag is currently set for products over land, but this is	to be expected.	
umber of products with errors: 11		
roduct	Test Failed	Description
S_OFFL_SIR_GOP_1B_20151123T004932_20151123T005138_B001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOP_1B_20151123T032852_20151123T033429_B001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOP_1B_20151123T035034_20151123T040647_B001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOP_1B_20151123T051604_20151123T052632_B001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOP_1B_20151123T054443_20151123T054704_B001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOP_1B_20151123T090646_20151123T091419_B001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOP_1B_20151123T114447_20151123T114838_B001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOP_1B_20151123T152219_20151123T152422_B001	Loss of Echo Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOP_1B_20151123T154403_20151123T155036_B001 S_OFFL_SIR_GOP_1B_20151123T155611_20151123T161258_B001	Loss of Echo	The tracking echo is missing for one or more records
S_OFFL_SIR_GOP_1B_201511231135611_201511231161256_B001	Loss of Echo	The tracking echo is missing for one or more records The tracking echo is missing for one or more records
5_0112_011_001_15_101011201212010_201011201220100_5001		
5. <mark>G</mark> (DP Level 2 Data Quality Ch	eck
Each product, retrieved and unpacked from the science server, is checked to e lumber of products with errors: 0	insure it consists of both an XML header file (.	HDR) and a product file (.DBL).
5.2 L2 Product Header Analysis		
ach product, retrieved and unpacked from the science server, is checked to e umber of products with errors: 0 5.2 L2 Product Header Analysis or all products, a series of pre-defined checks are performed on the MPH and		
ach product, retrieved and unpacked from the science server, is checked to e umber of products with errors: 0 5.2 L2 Product Header Analysis or all products, a series of pre-defined checks are performed on the MPH and umber of products with errors: 0		
 ach product, retrieved and unpacked from the science server, is checked to e lumber of products with errors: 0 5.2 L2 Product Header Analysis or all products, a series of pre-defined checks are performed on the MPH and lumber of products with errors: 0 5.3 L2 Auxiliary Data File Usage Check 	SPH in order to identify any inconsistencies a	nd/or errors raised by the ground-segment processing chain.
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ach product, retrieved and unpacked from the science server, is checked to e umber of products with errors: 0 2 L2 Product Header Analysis or all products, a series of pre-defined checks are performed on the MPH and umber of products with errors: 0 3 L2 Auxiliary Data File Usage Check ach product is checked for missing Data Set Descriptors with respect to a pre Wind Model File Usage: This file is currently not included in all L2 products.	SPH in order to identify any inconsistencies a	nd/or errors raised by the ground-segment processing chain.
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CS_OFFL_SIR_GOP_220151123T072935_20151123T073930_B001	Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_220151123T105739_20151123T110123_B001	Total Geocentric Ocean Tide (FES), Non-	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_220151123T140429_20151123T140514_B001	Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_220151123T152219_20151123T152422_B001	Total Geocentric Ocean Tide (FES), Non-	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_220151123T153355_20151123T153501_B001	Total Geocentric Ocean Tide (FES), Non-	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20151123T155611_20151123T161258_B001	Lotal Geocentric Ocean Lide (EES)	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) for one or more records
CS_OFFL_SIR_GOP_220151123T173621_20151123T173753_B001	Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_220151123T190059_20151123T190342_B001	Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_2_20151123T221050_20151123T221234_B001	Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_GOP_220151123T223445_20151123T230748_B001	Lotal Geocentric Ocean Lide (EES)	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) for one or more records
CS_OFFL_SIR_GOP_220151123T235356_20151123T235946_B001	Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records

5.5 L2 Measurement Confidence Data Check

CryoSat L2 data includes a measurement confidence flag (field 14) for each 20-Hz measurement record. The bit value of this flag indicates any problems when set. 0

Number of products with errors:

5.6 L2 Range Measurement Check

CryoSat L2 data includes an Ocean (field 25) and Ice (field 30) 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. 34

Number of products with errors:

SS_OFFL_SIR_GOP_2_201511231000045_20151123100005_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231014038_201511231014038_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231014054_201511231014054_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231014556_201511231014494_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123103426_201511231034246_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231032445_201511231032446_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231032445_201511231032445_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231032445_201511231032445_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231030345_201511231030345_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231050347_201511231050345_B001	Product	Test Failed	Description
CS_OFFL_SIR_GOP_2_20151123T014658_20151123T014558_B001 ice Range Averaging Status records. CS_OFFL_SIR_GOP_2_20151123T014548_20151123T014558_B001 ice Range Averaging Status The loc Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T014548_20151123T014558_B001 ice Range Averaging Status The loc Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T014558_20151123T032436_B001 ice Range Averaging Status The loc Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T032436_20151123T032436_B001 ice Range Averaging Status The loc Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T032443_20151123T032449_B001 ice Range Averaging Status The loc Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T032449_20151123T032449_B001 ice Range Averaging Status The loc Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T032449_20151123T032449_B001 ice Range Averaging Status The loc Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T032449_20151123T032449_B001 ice Range Averaging Status The loc Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T050455_B001 ice Range Averaging Status The loc Range Averaging Stat	CS_OFFL_SIR_GOP_220151123T000530_20151123T000640_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
US_OFFL_SIR_GOP_2_20151123101433_201511231014358_2001 Ice Range Averaging Status records. CS_OFFL_SIR_GOP_2_201511231014544_201511231014551_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231014554_201511231014914_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231032436_201511231032442_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231032443_201511231032442_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231032443_201511231032444_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231032442_201511231032445_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231050341_201511231050345_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231050412_201511231050452_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231050412_B001 Ice Range Averaging Status The Ice Range Averaging Statu	CS_OFFL_SIR_GOP_220151123T000645_20151123T001053_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20151123101454_201511231014914_B001 Ice Range Averaging Status records. CS_OFFL_SIR_GOP_2_20151123T014556_20151123T014914_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T031925_20151123T032436_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T032443_20151123T032444_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T032449_20151123T032449_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T032612_20151123T032644_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T050347_20151123T050353_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T050342_0151123T050405_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T050426_20151123T050426_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T064326_20151123T064303_B001 Ice Range Averaging Status The Ice Range	CS_OFFL_SIR_GOP_220151123T014038_20151123T014538_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20151123101435_201511231032436_B001 Ite Range Averaging Status records. CS_OFFL_SIR_GOP_2_201511231032436_B001 Ite Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231032443_201511231032442_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231032443_201511231032449_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231032449_201511231032445_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231032449_201511231050353_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231050347_201511231050405_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231050426_201511231050421_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231064262_01511231050428_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123106431_201511231050421_B001 Ice Range Averaging Status The Ice Range Averaging Status	CS_OFFL_SIR_GOP_220151123T014544_20151123T014551_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20151123103243_20151123103243_E001 Ide Range Averaging Status The Loc Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123103243_201511231032442_B001 Ice Range Averaging Status The Loc Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231032443_201511231032449_B001 Ice Range Averaging Status The Loc Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231032512_201511231032644_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231050347_201511231030264_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231050347_201511231050353_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231050342_01511231050421_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231064303_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231064303_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231064310_201511231064319_B001 Ice Range Averaging Status </td <td>CS_OFFL_SIR_GOP_220151123T014558_20151123T014914_B001</td> <td>Ice Range Averaging Status</td> <td>The Ice Range Averaging Status Flag has been set for one or more records.</td>	CS_OFFL_SIR_GOP_220151123T014558_20151123T014914_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20151123103243_201511231032442_B001 Ice Range Averaging Status records. CS_OFFL_SIR_GOP_2_201511231032443_201511231032449_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231032449_201511231032644_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231050347_201511231050353_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231050347_201511231050445_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231050341_201511231050442_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231050412_01511231050426_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231064310_201511231064303_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_201511231064310_201511231064302_D01511231064302_D01511231064302_D01511231064302_D01511231064302_D01511231064302_D01511231064302_D01511231064302_D01511231064302_D01511231064302_D01511231064302_D01511231064302_D01511231064302_D01511231064302_D01511231064302_D01511231064302_D01511231064302_D01511231064302_D01511231064302_D0151	CS_OFFL_SIR_GOP_220151123T031925_20151123T032436_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_201511231032443_201511231032449_B001 Ice Range Averaging Status records. CS_OFFL_SIR_GOP_2_20151123T032449_20151123T032455_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T032512_20151123T032644_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T050347_20151123T050353_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T050354_20151123T050455_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T050426_20151123T050421_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T050426_20151123T050426_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T064302_D010 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T064325_20151123T064325_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T064325_20151123T064624_B001 Ice Range Averaging Status The Ice Range Averaging Stat	CS_OFFL_SIR_GOP_220151123T032436_20151123T032442_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20151123T032512_20151123T032644_B001Ice Range Averaging Statusrecords.CS_OFFL_SIR_GOP_2_20151123T032512_20151123T032644_B001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or m records.CS_OFFL_SIR_GOP_2_20151123T050347_20151123T050353_B001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or m records.CS_OFFL_SIR_GOP_2_20151123T050347_20151123T050405_B001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or m records.CS_OFFL_SIR_GOP_2_20151123T050411_20151123T050421_B001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or m records.CS_OFFL_SIR_GOP_2_20151123T050426_20151123T050430_B001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or m records.CS_OFFL_SIR_GOP_2_20151123T064310_20151123T064303_B001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or m records.CS_OFFL_SIR_GOP_2_20151123T064310_20151123T064319_B001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or m records.CS_OFFL_SIR_GOP_2_20151123T064325_20151123T064624_B001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or m records.CS_OFFL_SIR_GOP_2_20151123T064325_20151123T064624_B001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or m records.CS_OFFL_SIR_GOP_2_20151123T064325_20151123T064624_B001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or m records.CS_OFF	CS_OFFL_SIR_GOP_220151123T032443_20151123T032449_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_201511231032612_01511231032644_B001Ice Range Averaging Statusrecords.CS_OFFL_SIR_GOP_2_20151123T050354_20151123T050353_B001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or m records.CS_OFFL_SIR_GOP_2_20151123T050454_20151123T050421_B001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or m records.CS_OFFL_SIR_GOP_2_20151123T050426_20151123T050421_B001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or m records.CS_OFFL_SIR_GOP_2_20151123T050426_20151123T050528_B001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or m 	CS_OFFL_SIR_GOP_220151123T032449_20151123T032455_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20151123105034_201511231050435_B001Ice Range Averaging Statusrecords.CS_OFFL_SIR_GOP_2_201511231050411_201511231050421_B001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or m records.CS_OFFL_SIR_GOP_2_201511231050426_201511231050421_B001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or m records.CS_OFFL_SIR_GOP_2_201511231050426_201511231050426_201511231050528_B001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or m records.CS_OFFL_SIR_GOP_2_201511231064322_201511231064303_B001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or m 	CS_OFFL_SIR_GOP_220151123T032512_20151123T032644_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20151123T050426_20151123T050421_B001Ice Range Averaging Statusrecords.CS_OFFL_SIR_GOP_2_20151123T050426_20151123T050426_20151123T050528_B001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or m records.CS_OFFL_SIR_GOP_2_20151123T0604326_20151123T0604303_B001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or m records.CS_OFFL_SIR_GOP_2_20151123T064310_20151123T064319_B001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or m records.CS_OFFL_SIR_GOP_2_20151123T064325_20151123T064319_B001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or m 	CS_OFFL_SIR_GOP_220151123T050347_20151123T050353_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_201511231050411_201511231050421_B001Ice Range Averaging Statusrecords.CS_OFFL_SIR_GOP_2_20151123T063922_20151123T064303_B001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or m records.CS_OFFL_SIR_GOP_2_20151123T064310_20151123T064303_B001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or m records.CS_OFFL_SIR_GOP_2_20151123T064310_20151123T064319_B001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or m records.CS_OFFL_SIR_GOP_2_20151123T064325_20151123T064624_B001Ice Range Averaging StatusThe Ice Range Averaging Status Flag has been set for one or m 	CS_OFFL_SIR_GOP_220151123T050354_20151123T050405_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20151123T060426_20151123T064303_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T064310_20151123T064319_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T064325_20151123T064624_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T064325_20151123T064624_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T082224_20151123T082217_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T082224_20151123T082551_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T095704_20151123T100251_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T100306_20151123T100452_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T110306_20151123T100452_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T113036_20151123T1100452_B001	CS_OFFL_SIR_GOP_220151123T050411_20151123T050421_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20151123T064310_20151123T064319_B001 Ice Range Averaging Status records. CS_OFFL_SIR_GOP_2_20151123T064310_20151123T064319_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T064325_20151123T064624_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T081704_20151123T082217_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T082224_20151123T082551_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T095704_20151123T100251_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T100306_20151123T100251_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T100306_20151123T100452_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T113632_20151123T114143_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T113632_20151123T114143_B001 Ice Range Averaging Status The Ice Rang	CS_OFFL_SIR_GOP_220151123T050426_20151123T050528_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20151123T064310_20151123T064624_B001 Ice Range Averaging Status records. CS_OFFL_SIR_GOP_2_20151123T064325_20151123T064624_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T081704_20151123T082217_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T082224_20151123T082255_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T095704_20151123T100251_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T100306_20151123T100452_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T100306_20151123T100452_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T113632_20151123T1100452_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T113632_20151123T114143_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T113826_20151123T132045_B001 Ice Range Averaging Status The Ice Ran	CS_OFFL_SIR_GOP_220151123T063922_20151123T064303_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20151123T064325_20151123T06424_B001 Ice Range Averaging Status records. CS_OFFL_SIR_GOP_2_20151123T08224_20151123T082217_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T082224_20151123T082255_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T095704_20151123T100251_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T100306_20151123T100252_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T100306_20151123T100452_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T113632_20151123T114143_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T113632_20151123T114143_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T113826_20151123T114143_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T13826_20151123T132045_B001 Ice Range Averaging Status The Ice Range A	CS_OFFL_SIR_GOP_220151123T064310_20151123T064319_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20151123T082224_20151123T082551_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T095704_20151123T100251_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T100306_20151123T100255_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T100306_20151123T100452_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T113632_20151123T114143_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T113632_20151123T114143_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T113826_20151123T11320455_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T131826_20151123T132045_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records.	CS_OFFL_SIR_GOP_220151123T064325_20151123T064624_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20151123T082224_20151123T1002551_B001 Ice Range Averaging Status records. CS_OFFL_SIR_GOP_2_20151123T095704_20151123T100251_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T100306_20151123T100452_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T113632_20151123T114143_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T113632_20151123T114143_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T113632_20151123T114143_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records.	CS_OFFL_SIR_GOP_220151123T081704_20151123T082217_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20151123T100306_20151123T100452_B001 Ice Range Averaging Status records. CS_OFFL_SIR_GOP_2_20151123T100306_20151123T100452_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T113632_20151123T114143_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T113632_20151123T114143_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records.	CS_OFFL_SIR_GOP_220151123T082224_20151123T082551_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20151123T113632_20151123T114143_B001 Ice Range Averaging Status records. CS_OFFL_SIR_GOP_2_20151123T113632_20151123T114143_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records. CS_OFFL_SIR_GOP_2_20151123T113632_20151123T114143_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records.	CS_OFFL_SIR_GOP_220151123T095704_20151123T100251_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_201511231113032_201511231114143_B001 Ice Range Averaging Status records. CS_OFFL_SIR_GOP_2_201511231131826_201511231132045_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m	CS_OFFL_SIR_GOP_220151123T100306_20151123T100452_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
	CS_OFFL_SIR_GOP_220151123T113632_20151123T114143_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
records.	CS_OFFL_SIR_GOP_220151123T131826_20151123T132045_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20151123T145756_20151123T145953_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records.	CS_OFFL_SIR_GOP_220151123T145756_20151123T145953_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20151123T150132_20151123T150456_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records.	CS_OFFL_SIR_GOP_220151123T150132_20151123T150456_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20151123T155151_20151123T155338_B001 Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or m records.	CS_OFFL_SIR_GOP_220151123T155151_20151123T155338_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.

CS_OFFL_SIR_GOP_220151123T163621_20151123T163915_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151123T163926_20151123T164357_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151123T181427_20151123T182258_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151123T190401_20151123T190457_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151123T195353_20151123T195518_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151123T195640_20151123T200057_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151123T213551_20151123T214137_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20151123T231456_20151123T232008_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.

5.7 L2 SWH and Backscatter Measurement Check

CryoSat L2 data includes a SWH Averaging Status flag (field 49) and an Ocean (field 55) and Ice (field 61) 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. 28

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_GOP_220151123T000530_20151123T000640_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151123T000645_20151123T001053_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151123T014038_20151123T014538_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151123T014558_20151123T014914_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151123T031925_20151123T032436_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20151123T032449_20151123T032455_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151123T032512_20151123T032644_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151123T050347_20151123T050353_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151123T050426_20151123T050528_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151123T063922_20151123T064303_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151123T064310_20151123T064319_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151123T064325_20151123T064624_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151123T081704_20151123T082217_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151123T082224_20151123T082551_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151123T095704_20151123T100251_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151123T100306_20151123T100452_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151123T113632_20151123T114143_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151123T131826_20151123T132045_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151123T145756_20151123T145953_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151123T150132_20151123T150456_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151123T155151_20151123T155338_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151123T163621_20151123T163915_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151123T163926_20151123T164357_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151123T181427_20151123T182258_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151123T190401_20151123T190457_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151123T195353_20151123T195518_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_220151123T195640_20151123T200057_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_GOP_2_20151123T213551_20151123T214137_B001	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 (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. 144